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UNITED STATES DISTRICT COURT

FOR THE DISTRICT OF RHODE ISLAND

DAVID HOWARD WESTFALL, IN HIS CAPACITY AS ADMINISTRATOR OF THE ESTATE OF THOMAS HOWARD WESTFALL AND IN HIS CAPACITY AS ADMINISTRATOR OF THE ESTATE OF BETTY E. WESTFALL

4/29/ Nolumber C.A. No. 79-0269 - 5/67/75

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vs.

WITTACKER, CLARK & DANIELS,
METROPOLITAN TALC COMPANY, INC.,
PFIZER, INC., WINDSOR MINERALS,
INC., itself and as successor
to EASTERN MAGNESIUM TALC
COMPANY INC., and OMYA, INC.,
itself and as successor to
VERMONT TALC COMPANY, INC.

STIPULATION AND ORDER OF CONFIDENTIALITY

IT IS HEREBY STIPULATED AND AGREED BY and between the undersigned counsel as follows:

- 1. As used herein, the following words shall have the following meaning:
 - (a) "document" shall be construed in the broadest possible sense, and shall include without limitation the following items, whether written, printed, typed, photostated, photographed, recorded or reproduced by any other mechanical or manual process or means upon any tangible thing in any form of communication or representation, including letters, words, numbers, pictures, sounds or symbols, or combinations thereof, or any copies bearing

BASF FC 0007773

notations or marks not found on the original, including but not limited to: all transcripts, correspondence, memoranda, reports, financial reports, notes, records, letters, envelopes, telegrams, mailgrams, messages (including reports, diaries, logs, notes and memoranda of personal or telephone conversations and conferences), studies, analyses, projections, estimates, working papers, summaries, statistical statements, financial workpapers, accounts, analytical records, reports and/or summaries or investigations, opinions or reports of consultants, appraisals, studies, magazines, newspapers, booklets, brochures, pamphlets, circulars, bulletins, advertisements, notices, forecasts, drawings, diagrams, instructions, minutes of meetings or other communications of any type, including inter- and intra- office communications, charts, graphs, printouts, all other data compilations from which information can be obtained, and any preliminary versions, drafts or revisions of any of the foregoing, and any other writings of whatever description or kind.

(b) "furnished" means the production of documents; whether voluntarily or involuntarily, whether pursuant to request or process and whether in accordance with the Federal Rules of Civil Procedure or otherwise.

- 2. This Stipulation shall be applicable to, and govern, all documents, including any transcripts of depositions of Engelhard, heretofore or hereafter furnished by or on behalf of Engelhard to the attorneys for any of the parties to the above-captioned action.
- 3. Engelhard has asserted that the information requested through discovery in this proceeding constitutes confidential, commercial and financial information within the meaning of Fed.R.Civ.P. 26(c).
- 4. In order to prevent the improper disclosure of such confidential information, the following procedures shall be followed with respect to documents or testimony containing such information:
 - (a) No documents furnished by Engelhard, including any transcripts of depositions of Engelhard in this proceeding or the contents thereof shall be disclosed, divulged, revealed, described, transmitted or otherwise communicated by any of the attorneys for any of the

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parties, or any other person, to any person other than a member or employee of such attorneys' firm, or (a) outside experts retained by such firm in connection with this litigation, and who are assisting such firm in the captioned action; (b) the Court herein; (c) any jury herein; (d) witnesses and their counsel at depositions or any hearing or trial held herein; or (e) court reporters at

any depositions or hearings or trial held herein, or (F) counsel, technical experts and corporate officers umplayed by the parties (or their parent companions) actively involved in the preparation of the backense of this

- (b) No person to whom documents are disclosed shall make any copies, or otherwise use such documents or their contents for any purpose whatsoever, except in connection with pre-hearing or pre-trial proceedings, the preparation for trial, trial or other judicial proceedings in connection with this action.
- exhibits to any affidavits, interrogatories, answers to interrogatories or any other document to be filed with the Court or be utilized at any deposition, hearing or trial in this action, or should the documents or any information contained therein be disclosed in any such affidavits, interrogatories, answers to interrogatories or any other document to be filed with the Court or in the transcript of any such depositions, hearings or trial in this action, Engelhard shall be given prior notice thereof and such exhibits,

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affidavits, interrogatories, answers to interrogatories, other documents or transcripts shall be sealed upon their filing in Court.

- (d) With the exception of the Court and a jury, no person described in paragraph 4(a) hereof shall participate in the inspection of Engelhard's documents or be permitted access to them or their contents unless and until that person signs an agreement to be bound by this Order precisely in the form attached hereto as Exhibit A and a signed copy of the agreement has been delivered to counsel for Engelhard, Peter Lawson Kennedy, Esq., Adler Pollock & Sheehan Incorporated, 2300 Hospital Trust Tower, Providence, Rhode Island 02903 and David R. Hyde, Esq., Cahill Gordon & Reindel, 80 Pine Street, New York, New York 10005.
- (e) Any person who should utilize any such documents pursuant to paragraph 4(c) shall give notice of such use, together with a copy of such use to Peter Lawson Kennedy and David R. Hyde.
- (f) At the conclusion of all proceedings herein, all documents subject to the terms of this Stipulation shall be returned to Cahill Gordon & Reindel, and all copies thereof shall likewise be returned to Cahill Gordon & Reindel, by any person described in paragraph 4(a) in

possession thereof and all notes or other documents containing extracts or other references to their contents shall be destroyed.

- (f) This Stipulation shall remain in full force and effect until modified, superseded, or terminated, by written consent of the parties to this Stipulation or by Order of the Court upon notice.
- 5. Nothing herein contained shall be construed as prohibiting or restricting Engelhard from disclosing or using in any way documents, things, information or testimony, including any confidential materials, produced by Engelhard or elicited from them in discovery herein.

David R. Hyde, Esq.
Cahill Gordon & Reindel
(a partnership including professional corporations)
Attorneys for Non-Party,
Engelhard Corporation and Glen A. Hemstock
80 Pine Street
New York, New York 10005

Benjamin V. White, III, Esq. Vetter & White Attorneys for Defendant, Windsor Minerals Inc. 20 Washington Place Providence, R.I. 02903 Peter Lawson Kennedy, Esq.
Adler Pollock & Sheehan
Incorporated
Attorneys for Non-Party,
Engelhard Corporation and
Glen A. Hemstock
2300 Hospital Trust Tower

Daniel Prentiss, Esq.
Decof & Grimm
Attorneys for Plaintiff,
David Howard Westfall
One Smith Hill
Providence, R.I. 02903

Providence / R.I. 02903

William A. Curran, Esq. Hanson, Curran & Parks Attorneys for Defendant, Metropolitan Talc Co., Inc. 1210 Turks Head Building Providence, R.I. 02903

Edward P. Leibensperger, Esq. Nutter, McClennen & Fish Attorneys for Defendant, Windsor Minerals Inc. Federal Reserve Plaza 600 Atlantic Avenue Boston, Mass. 02210

PER ORDER:

Deputy Club

Robert M. Lovegreen, Esq.
Hinckley & Allen
Attorneys for Defendant,
Whittacker, Clark & Daniels,
Inc.
2200 Fleet National Bank Bldg.
Providence, R.I. 02903

Rice, Dolan, Esq.
Rice, Dolan, Kiernan & Kershaw
Attorneys for Defendant,
Omya, Inc.
Suite 3A, 101 Dyer Street
Providence, R.I. 02903

Berndt Anderson, Esq.
Roberts, Carroll, Feldstein &
Tucker
10 Dorrance Street
Providence, R.I. 02903

ENTER:

Johnson-Johnson

OFFICE OF GENERAL COUNSEL ONE JOHNSON & JOHNSON PLAZA
NEW BRUNSWICK, N.J. 08933 7002

August 27, 1986

Ronald B. Grayzel, Esq. Levinson, Conover, Axelrod, Wheaton & Grayzel Lincoln Plaza 2 Lincoln Highway, P.O. Box 2905 Edison NJ 08818-2905

Re: Edley v. Windsor Minerals Inc.

Dear Mr. Grayzel:

As you may know, Windsor Minerals Inc. is a wholly-owned subsidiary of Johnson & Johnson and, accordingly, the Summons and Complaint in the above-captioned matter has recently been referred to my attention.

Please be advised that Windsor Minerals Inc., contrary to the allegation in the Complaint, does not now engage and never has engaged in the manufacture or supply of "asbestos-containing products". Rather, the exclusive business of Windsor Minerals Inc. is and has been the mining and milling of talc from a single mining district in Windsor, Vermont. That mining district is the exclusive source of talc for all of the Johnson's Baby Powder sold in the United States as well as a source of pure talc sold to independent industrial users. All of the talc mined by Windsor Minerals Inc., whether ultimately sold to industrial users or used in Johnson's Baby Powder, is sampled and tested for the presence of asbestos and no evidence of the presence of asbestos in any Windsor Minerals product has ever been revealed. Under the circumstances, there obviously can be no reasonable knowledge, information or belief which provides good ground to support this pleading under R1:4-8.

Parenthetically, we received a Complaint several months ago filed by the Wysoker firm here in New Brunswick on behalf of another former employee of Bird & Son and, upon being told the forgoing facts, the plaintiff's attorneys immediately forwarded to me a dismissal of the action as to Windsor Minerals Inc.

-2-

I am hopeful that you and your client will appreciate that there is no benefit to keeping Windsor Minerals in this case, from which in all fairness it should be dismissed and, I hope that this matter can be resolved as expeditiously as was the prior case. In the event that you require an affidavit confirming the forgoing facts, please let me know.

May I hear from you promptly?

Very truly yours,

John N. Beidler

/rd

NEWMAN, HERMAN, SALTMAN, LEVITT AND FEINSON

A PROFESSIONAL ASSOCIATION

ATTORNEYS AT LAW

Please Reply To:

New Brunswick Office:

(201) 745-9005

(609) 443-4900

(201) 725-4257

By Appointment Only

East Windsor Office:

Somerville Area:

47 Paterson Street

P.O. Box 769

East Windsor, New Jersey 08520

339 Princeton-Hightstown Road

OUR FILE NO.

11092-L

EDWARD H. HERMAN
JAY J. NEWMAN
(N.J. & D.C. Bar)
DAVID A. SALTMAN
(N.J. & Fla. Bar)
RONALD S. LEVITT
(N.J. & N.Y. Bar)
JULIUS J. FEINSON
JULIE VACCHER GOLDSTEIN
(N.J. & Pa. Bar)

ISRAEL H. SALTMAN (1914-1982)

Of Counsel
ALLEN J. SIMONSON
DONALD J. PERRELLA
(N.J. & N.Y. Bar)
ROBERT J. PINTO

-

July 23, 1987

Ronald B. Grayzel, Esq. Levinson, Conover, Axelrod, Wheaton & Grayzel Lincoln Plaza, 2 Lincoln Highway PO Box 2905 Edison, New Jersey 08818-2905

RE: Edley -v- Madsen & Howell, Windsor Minerals, Inc., et als

Dear Mr. Grayzel:

Enclosed please find an Affidavit on behalf of Windsor Minerals, Inc., signed by Roger N. Miller, President of Windsor Minerals, Inc. since 1968. Also enclosed you will find an assay from McCrone Environmental Services, Inc. I trust that these documents will now enable you to sign a Dismissal as was done in the Yuhas file. I have taken the liberty of drafting the Dismissal and enclosing the same for your signature along with a self-addressed stamped envelope.

If you are still unable or unwilling to sign the Dismissal, please forward immediately your client's answers to supplemental interrogatories which were served upon you almost one year ago.

Very truly yours,

Ronald S. Levitt

RSL/gbf Encl.

cc: Michael M. Tanenbaum, Esq., McCarter & English
Thomas M. Kelly, Esq., Morley, Cramer, Tansey, Haggarty & Fanning
Anthony Luongo, Esq., Donington, Leroe, Toland & Luongo

Certified Mail, Return Receipt Requested

:

:

LOUIS EDLEY,

Plaintiff,

vs.

WINDSOR MINERALS, INC.; NICOLET, INC., as Successorin-Interest to Keasby & Mattison; GAF CORP., RUBEROID, GAF CORP., as Successor-in-Interest to Ruberoid; MADSEN & HOWELL, INC.; JOHN DOE #1 to #50 (Fifty Unidentified Manufacturers and Distributors : of asbestos-containing products),

Defendants.

SUPERIOR COURT OF NEW JERSEY : LAW DIVISION
: MIDDLEGEV CO MIDDLESEX COUNTY

DOCKET NO. L-075913-86

CIVIL ACTION

AFFIDAVIT

STATE OF VERMONT :

SS.

COUNTY OF WINDSOR :

ROGER N. MILLER, of full age, being duly sworn, according to law, upon his oath, deposes and says:

- 1. I am the President of Windsor Minerals, Inc. and have held that position since 1968 when Windsor Minerals, Inc. was first formed.
- The exclusive business of Windsor Minerals, Inc. is, and has been for the last eighteen years, the mining and milling of talc from a single mining district in Windsor, Vermont. That mining district is the exclusive source of talc for all of the Johnson's Baby Powder sold in the United States. In addition to supplying the talc for Johnson's Baby Powder, Windsor Minerals, Inc. also sells a portion of its product to independent industrial users.



EXHIBIT J&J-187

3. All of the talc mined by Windsor Minerals, Inc., whether it is ultimately sold to industrial users or used in Johnson's Baby Powder, is sampled and tested for the presence of asbestos. No evidence of the presence of asbestos in Windsor Minerals' product has ever been revealed by this testing. Attached hereto as Exhibit "A" is a true copy of a recent report of such testing.

ROGER N. MILLER

Sworn to and subscribed before me this /3 day of July, 1987.

alice J. Bean

Notary Public

My Commission Expires:

Feb. 10, 1991



28 January 19876

RECEIVED

Windsor Minerals, Inc. P. O. Box 680 Windsor, Vermont 05089

FEB 2 1987

W. M. I.

Attention: Mr. Roger N. Miller, President

Re: McCrone Project No. ME-3241

Dear Mr. Miller:

Under your Purchase Order QC-0548, we received mineteen talc samples for asbestos analysis by transmission electron microscopy. The samples were labelled as follows:

WMI	86-10	WMI	86-14	WMI	86-18	WMI	86-22	WMI	86-26
WMI	86-11	WMI	86-15	WMI	86-19	WMI	86-23	WMI	86-27
WMI	86-12	WMI	86-16	WMI	86-20	WMI	86-24	WMI	86-32
WMI	86-13	WMI	86-17	WMI	86-21	WMI	86-25		

Examination found no quantifiable amounts of asbestiform minerals. The limit of detection for each sample is below 0.001 weight percent.

Thank you for consulting McCrone Environmental Services, Inc.

Sincerely,

Chenrea Kumer Thomas Kremer

Electron Microscopist

(James R. Millette, Ph.D. Manager, Laboratory Services

TK/JRM/mtw

1) Windsor Minerals, Inc.

Windsor VT

1) Mr. Roger N. Miller, President EXABIT



22 August 1985

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Windsor Minerals, Inc. P.O. Box 680 Windsor, Vermont 05089

Attention: Mr, Arthur J. LaPierre,

Safety, Health and Training Director

SUBJECT: Analysis of Seven Talc Samples for

Asbestos Mineral Content by Transmission Electron Microscopy

Re: McCrone Project No. ME-1862

Dear Mr. LaPierre:

McCrone Environmental Services, Inc. of Norcross, Georgia, has completed the analyses of the seven talc samples that we received from your office on 25 July, 1985. The samples were labelled as follows:

WMI 85-25 (1) *

WMI 85-26 (2)

WMI 85-27 (3)

WMI 85-28 (4)

WMI 85-29 (5)

WMI 85-30 (6)

WMI 85-31 (7)

* McCrone TEM Lab Number

The samples were prepared following our usual technique for TEM bulk sample analysis. Small (about 10 mg.) representative portions of each sample were weighed and suspended in 10 ml. of nanopure water and ultrasonicated for 5 minutes. Drops (6.5 microliters) of the suspended samples were placed on electron

a subsidiary of Walter c. mccrone associates, inc.

2820 SOUTH MICHIGAN AVENUE . CHICAGO, ILLINOIS 60616 . 312:842:1700

microscope grids and allowed to dry. The prepared sample grids were analyzed at 20,000x magnification. Ten grid squares per sample were analyzed. The presence of asbestos minerals was verified by selected area electron diffraction (SAED), energy dispersive X-ray analysis (EDX) and by morphology.

Chrysotile asbestos was detected only in the samples labelled WMI 85-28 and WMI 85-30. Because only a few fibers were detected in the portion of each sample analyzed, no accurate value of the weight percent of chrysotile asbestos could be calculated with statistical certainty. The data obtained from each sample analysis suggest that the amount of chrysotile asbestos in the samples labelled WMI 85-28 and WMI 85-30 is less than 0.0001 percent by weight.

Thank you for consulting McCrone Environmental Services, Inc.

If you have any questions concerning these results, please contact our office.

Sincerely,

Thomas J. Gore III

Laboratory Microscopist

Lange R. millette

James R. Millette, Ph.D. Mahager, Electron Optics Group

TJG/JRM/arwp

cc: X) Windsor Minerals, Inc.
Windsor VT

 Mr. Arthur J. LaPierre, Safety, Health and Training Director Windsor Minerals, Inc. Windsor VT

mccrone environmental services, inc.

J&J-0034631

VINDSOR MINERALS INC.

P.O. Box 680 Windsor, Vermont 05089 Telephone :802: 484-7761

September 10, 1985

Mr. Ian Stewart Walter McCrone Associates, Inc. 2820 South Nichigan Avenue Chicago, IL 60616

Dear Ian:

I am touching base with you on methodology and reports by your representatives on analysis of our products. I also want to complain on their failure to read our correspondence.

We submitted, on July 11, to Mark Palenik, seven samples for analysis with a specific note that the report be directed to me. We received, on August 22, the enclosed report on these samples mailed to another Company employee.

The August 22, report is couched in substantially different language than earlier reports. As I explained to you on my visit to Chicago it is very important that specific language be used.

I am admittedly unfamiliar with your field to argue, but I would appreciate your review and comments.

Yours very truly,

WINDSOR MINERALS, INC.

Roger N. Miller

President

RNM/rb Enclosures



J&J-0164227



08 October 1985

Windsor Minerals, Inc. P. O. Box 680 Windsor, Vermont 05089

Attention: Mr. Roger N. Miller, President

Re: McCrone Project No. ME-1862

RECEIVED 00T 16 1985

W. M. I.

Dear Mr. Miller:

Under you purchase order WS-17577 we received seven (7) talc samples for asbestos analysis. The samples were identified as WMI85-25 through WMI85-31. Examinations by transmission electron microscopy did not find any quantifiable amount of asbestiform minerals in any of the samples.

Sincerely,

Thomas J. Gore, III Electron Microscopist

James R. Millette, Ph.D.

Manager, Electron Optics Group

TJG/JRM/jir

cc: N Windsor Minerals, Inc. Windsor VT

1) Mr. Roger N. Miller, President

EXHIBIT
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a subsidiary of Walter C. mccrone associates, inc. 2820 SOLITH MICHIGAN AVENUE . CHICAGO, ILLINOIS 60616 . 312-842-1700

EXHIBIT J&J-1813337

REC'D. & FILED BUPERIOR COURT OF NEW JEESEY

LAW

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OCT 3 1986

OCT 10 1986

JOHN M. MAYSON CLERK

SUPERIOR COURT OF N.J. PAID

NEWMAN, HERMAN, SALTMAN, LEVITT & FEINSON, P.A.

D PRINCETON RD BOX 769

D 281 E MAIN ST. SOMERVELLE, N. J.

EAST WINDSOR, N. J. (609) 443-4900

12011 725 - 1338

ATTORNEYS FOR Defendant, Windsor Minerals, Inc.

Plaintiff

ALEX YUHAS and JEAN YUHAS, his wife,

SUPERIOR COURT OF NEW JERSEY LAW DIVISION MIDDLESEX COUNTY

Dacket No. L-029706-84

CIVIL ACTION

儞

Defendant

E&B MILL SUPPLY; MADSEN & HOWELL; GAF; RUBEROID; GAF as Successor-in-Interest to Ruberoid; CENTRAL JERSEY SUPPLY CO.; ELIZABETH INDUSTRIAL, Division of Charles F. Guyon, Inc., as Successor-/ ANSWER, CROSSCLAIM AND

ASBESTOS LITIGATION in-Interest to Elizabeth Hardware; ZESTON; WINDSOR DEMAND FOR TRIAL BY JURY

MINERALS, INC.; MICOLET, INC., as Successor-in-Interest to Keasbey & Mattison; JOHN DOE #8 to #100;

(Forty three unidentified manufacturers and suppliers' of Asbestos and Asbestos Products to Plaintiff's

Places of Employment).

Windsor Minerals, Inc., having offices in the Town of Windsor and State of Vermont, by way of Answer to plaintiffs' Complaint says:

FIRST COUNT

- 1. This defendant does not have sufficient information to admit or deny the allegations contained herein and, accordingly, plaintiffs are left to their proofs.
- 2. This defendant does not have sufficient information to admit or denv the allegations contained herein and, accordingly, plaintiffs are left to their proofs.

- 3. This defendant does not have sufficient information to admit or deny the allegations contained herein and, accordingly, plaintiffs are left to their proofs.
 - 4. Denied, and plaintiffs are left to their proofs.
 - 5. Denied, and plaintiffs are left to their proofs.
 - 6. Denied, and plaintiffs are left to their proofs.

WHEREFORE, the defendant, Windsor Minerals, Inc., demands that the First Count of plaintiffs' Complaint be dismissed with prejudice and without costs.

SECOND COUNT

- 1. This defendant repeats the Answer as set forth above and makes the same a part hereof as though set forth at length herein.
 - 2. Denied, and plaintiffs are left to their proofs.
 - 3. Denied, and plaintiffs are left to their proofs.
 - 4. Denied, and plaintiffs are left to their proofs.

WHEREFORE, the defendant, Windsor Minerals, Inc., demands that the Second Count of plaintiffs' Complaint be dismissed with prejudice and without costs.

THIRD COUNT

- This defendant repeats the Answer as set forth in the First and Second Counts above and makes the same a part hereof as though set forth at length herein.
 - 2. Denied, and plaintiffs are left to their proofs.

WHEREFORE, the defendant, Windsor Minerals, Inc., demands that the Third Count of plaintiffs' Complaint be dismissed with prejudice and without costs.

SEPARATE DEFENSES

1. Plaintiffs are barred from recovery by reason of the limits set forth in the statute of limitations.

IMAN. HERMAN. LIMAN. LEVITI FEINSON. PA

- Plaintiffs are barred from recovery by reason of the limits set forth in the statute of limitations.
- 3. Any and all injuries and damages allegedly sustained by the plaintiffs were the result of the carelessness and negligence of third persons over whom this defendant had no control.
- 4. This defendant never warranted, either expressly or impliedly, any products which were allegedly used by the plaintiffs' claim based on warranties, either expressed or implied, cannot be sustained as against this defendant.
- 5. The plaintiffs were guilty of contributory negligence with respect to any injuries allegedly caused by this defendant, and should this defendant be found guilty of any negligence with respect to the plaintiffs' damages, which liability is denied, the comparative contributory negligence of the plaintiffs were greater than that of this defendant, barring any recovery of the plaintiffs as against this defendant, pursuant to N.J.S.A. 2A:15-5.1.
- 6. The plaintiffs were cognizant of and had full knowledge of all the facts, circumstances and conditions existing with respect to the use of any products allegedly manufactured by this defendant as referred to in the Complaint and voluntarily assumed the risks therefrom or attendant thereto.
- 7. This defendant denies any conduct on their part which would justify an award of punitive damages in favor of the plaintiffs.
- 8. At the time and place mentioned in the Complaint, this defendant was not guilty of any negligence, whether by act of commission or omission, which was a proximate cause of the alleged accident, injuries and damages of which plaintiffs complain.
- 9. This defendant reserves the right to move at or before the time of trial to dismiss the Complaint on the grounds that the Court lacks personal jurisdiction over this defendant.

newman, Herman, Sactman, Levitt B Feinson, Pa

- 10. This defendant reserves the right to move at or before the time of trial to dismiss the Complaint on the grounds that the Court lacks jurisdiction over the subject matter of the Complaint.
- 11. This defendant reserves the right to move to dismiss the Complaint on the grounds that the plaintiffs failed to give notice to the defendant of the alleged breach of express or implied warranty contrary to the provisions of the applicable statutes of the State of New Jersey.
- 12. This defendant reserves the right to move to dismiss the plaintiffs' Complaint on the grounds that the plaintiffs' Complaint and each Count thereof fails to state a claim upon which relief can be granted.
- 13. This defendant denies that willfully, wantonly or intentionally withheld or prevented the dissemination of information concerning the alleged hazardous effects of asbestos products and further denies that they were guilty of fraudulent misrepresentation to the plaintiffs and members of the general public and further denies that they conspired to withhold the aforesaid information from the plaintiffs and other members of the general public.
- 14. The incident, injuries and damages complained of were caused by unauthorized, unintended or improper use of the product complained of and was the result of the failure to exercise reasonable and ordinary care, caution or vigilance.
- 15. This defendant denies the applicability of the concept of strict liability in tort to this litigation.

CROSSCLAIM

Defendant, Windsor Minerals, Inc., by way of Crossclaim against codefendants, E&B Mill Supply, Madsen & Howell, GAF, Ruberoid, GAF as Successor-in-Interest to Ruberoid, Central Jersey Supply Co., Elizabeth Industrial, Division of Charles F. Guyon, Inc., as Successor-in-Interest to Elizabeth Hardware, Zeston, Nicolet, Inc., as Successor-in-Interest to Keashey & Mattison, John Doe #8 to #100, (Forty-three unidentified manufacturers and suppliers of Asbestos and Asbestos Products to Plaintiffs'

iman Herman Liman Leviit Feinson: Pa Places of Employment, says:

FIRST COUNT

Defendant, Windsor Minerals, Inc., denies that they were negligent and state that the accident was the direct and proximate result of the actions of Defendants, E&B Mill Supply, Madsen & Howell, GAF, Ruberoid, GAF as Successor-in-Interest to Ruberoid, Central Jersey Supply Co., Elizabeth Industrial, Division of Charles F. Guyon, Inc., as Successor-in-Interest to Elizabeth Hardware, Zeston, Nicolet, Inc., as Successor-in-Interest to Keasbey & Mattison, John Doe #8 to #100, (Forty three unidentified manufacturers and suppliers of Asbestos and Asbestos Products to Plaintiffs' Places of Employment, and that they were solely responsible for the injuries sustained by the plaintiffs but in the event this defendant is found guilty of contributory negligence, defendant, Windsor Minerals, Inc., demands contribution under and by reason of the Joint Tortfeasors Contribution Act, N.J.S. 2A:53a-1, et seq., and as provided by the provisions of the Comparative Negligence Act, N.J.S. 2A;15-5.3, for a proportionate share of all of which the plaintiffs may recover.

SECOND COUNT

The defendant, Windsor Minerals, Inc., further demands and makes a claim for indemnity against the defendant, in the event it be deemed that the damages claimed in the Complaint were occasioned by the primary negligence of the said co-defendants, should the defendant, Windsor Minerals, Inc., be found secondarily liable to the plaintiffs herein.

THIRD COUNT

Defendant, Windsor Minerals, Inc., hereby demands common law and contractual indemnification both expressed and implied from the co-defendants.

FOURTH COUNT

The defendant, Windsor Minerals, Inc., further demands and makes a claim for indemnification against the co-defendants in the event it is deemed that they were manufacturers and distributors to this defendant of products alleged

uman, Regiman Liman, Leviti Feinson Pa by the plaintiffs to give rise to liability under theories of strict liability, warranty and products liability.

ANSWER TO ALL CROSSCLAIMS

The defendant, Windsor Minerals, Inc., denies any and all Crossclaims for Contribution and Indemnification filed or to be filed against this defendant in the within action.

DEMAND FOR ANSWERS TO INTERROGATORIES

This defendant hereby makes demand upon the plaintiffs for answers to interrogatories (Standard Form A) as directed by Order of the Honorable John E. Keefe, J.S.C., dated January 25, 1982. These interrogatories may be obtained from the Court upon request.

JURY DEMAND

Defendant, Windsor Minerals, Inc., hereby demands a trial by a six man jury on all issues in the above captioned matter.

DEMAND FOR STATEMENT OF DAMAGES

PLEASE TAKE NOTICE that pursuant to Rule 4:5-2, the Defendant filing this Answer requires that within five days you furnish its attorney with a Statement of the amount of damages claimed.

CERTIFICATION

I bereby certify that a copy of the within Answer was served within the time prescribed by Rule 4:6, and that a true copy of same has been served upon my adversary by first class mail on even date hereof.

> Wewman / Herman, Saltman, Levitt & Feinson Attorneys for Defendant, Windsor Minerals

BY:

EDWARD H. HERMAN, ESQ.

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Date: September 30, 1986

CERTIFICATION

PURSUANT TO RULE 4:5-1

Defendant hereby certifies the matter in controversy is not the subject of any other action pending in any Court, or of a pending arbitration proceeding and no other action or arbitration proceeding is contemplated.

To the best of the defendant, Windsor Minerals, Inc., knowledge, there are no other parties who should be joined in this action.

EDWARD H. HERMAN, ESQ.

EWMAN, HERMAN, IALTMAN, LEWITT B FEINSON, PA

RECO. & FILL BUPERIOR COULD DE NEW JERSEY

JAN 13 1987 M.V. 24 DHN M. MAYROM CLERK

Attorney(s):

LEVINSON, CONOVER, AXELROD, WHEATON & GRAYZEL

Office Address & Tel. No.:

2 Lincoln Hwy., Edison, NJ 08818

Attorney(s) for Plaintiffs

(201) 494-2727

ALEX YUHAS and JEAN YUHAS,

his wife

Plaintiff(s)

vs.

E & B MILL SUPPLY, et als.

Defendant(s)

SUPERIOR COURT OF NEW JERSEY

MIDDLESEX

COUNTY

LAW

DIVISION

WHEATON

DOCKET NO. L-029706-84

CIVIL ACTION

Stipulation of Dismissal

with prejudice

(as to defendant, Windsor Minerals, Inc.)

The matter in difference in the above entitled action having been amically adjusted by and between the parties, it is hereby stipulated and agreed that the same be and it is hereby dismissed without costs against either party.

Dated:

January 6

40 87

NEWMAN, HERMAN, SALTMAN, LEVITT

& FEANSOI

ou GRAKA

Edward H. Herman

Attorney(s) for Defendant(s) Windsor

Minerals, Inc.

LEVINSON, CONOVER, AXELROP

GRAYZ

Romald B. Gray

Attorney(s) for Plaintiff(s)

DGRV T-1

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1
                SUPERIOR COURT OF NEW JERSEY
                LAW DIVISION - MIDDLESEX COUNTY
2.
                DOCKET NO. MID-1809-17AS
                APPELLATE DOCKET NO.
3
      DOUGLAS AND ROSALYN BARDEN,
 4
                                    ) TRIAL
                Plaintiff,
6
                v.
                                      (VOLUME 1 OF 2)
7
      BRENNTAG NORTH AMERICA, et al., )
               Defendants.
      _____
      DAVID CHARLES ETHERIDGE AND
      DARLENE PASTORE ETHERIDGE, ) MID-L-0932-17AS
9
                Plaintiffs,
10
11
                v.
      BRENNTAG NORTH AMERICA, et al., )
12
13
                Defendants.
14
      D'ANGELA MCNEILL-GEORGE,
                                   ) MID-L-7049-16AS
                Plaintiff,
15
16
      BRENNTAG NORTH AMERICA, et al., )
17
18
               Defendants.
19
      WILLIAM AND ELIZABETH RONNING,
                                   ) MID-L-6040-17AS
20
                Plaintiffs,
21
                v.
22
      BRENNTAG NORTH AMERICA, et al., )
23
                Defendants.
24
25
      Job No. NJ3446618
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3 New Brunswick, New Jersey 08903	4 EXHIBITS 5 NO DESCRIPTION PAGE
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22 PRIORITY ONE 290 West Mount Pleasant Avenue	Plaintiff's Exhibit 3695-26 41 20 Plaintiff's Exhibit 3695-30 178
23 Livingston, New Jersey 07039	21
(718) 983-1234	22
24 E-mail: P1steno@veritext.com	23 24
25	25
Page 1 APPEARANCES:	
2	1 (Jury enters.)
CHRISTOPHER PLACITELLA, ESQ COHEN PLACITELLA & ROTH	2 THE COURT: Good morning, everyone.
127 Maple Avenue	3 Please be seated. Make sure cell phones are turned
4 Red Bank, New Jersey 07701 -and-	4 off.
5 MOSHE MAIMON, ESQ	5 Today is July 23, 2019. This is a
LEVY KONIGSBERG 6 800 Third Avenue	6 continued trial in the matter of Douglas and Rosalyn
11th Floor	
7 New York, New York 10022 -and-	
8 CHRIS J PANATIER, ESQ	7 Barden versus Johnson & Johnson, David and Darlene
SIMON GREENSTONE PANATIER 9 1201 Elm Street	8 Etheridge versus Johnson & Johnson, D'Angela McNeill
Suite 3400	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth
	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson.
Suite 3400 10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson.
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs.
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ USACK NOLAN, ESQ 15 WEIL GOTSCHAL & MANGES LLP 17 Hulfish Street	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the 16 Etheridges, the Ronnings and Ms. McNeill.
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ 15 WEIL GOTSCHAL & MANGES LLP 17 Hulfish Street 16 Suite 201	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the
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10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ 15 WEIL GOTSCHAL & MANGES LLP 17 Hulfish Street 16 Suite 201 Princeton, New Jersey 08542 17 -and- JOHN C GARDE, ESQ 18 McCARTER & ENGLISH Four Gateway Center	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the 16 Etheridges, the Ronnings and Ms. McNeill. 17 THE COURT: Thank you. On behalf of 18 the Defendants, Johnson & Johnson and Johnson & 19 Johnson Consumer Incorporated.
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ 15 WEIL GOTSCHAL & MANGES LLP 17 Hulfish Street 16 Suite 201 Princeton, New Jersey 08542 17 -and- JOHN C GARDE, ESQ 18 McCARTER & ENGLISH Four Gateway Center 19 100 Mulberry Street	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the 16 Etheridges, the Ronnings and Ms. McNeill. 17 THE COURT: Thank you. On behalf of 18 the Defendants, Johnson & Johnson and Johnson & 19 Johnson Consumer Incorporated. 20 MS. SULLIVAN: Good morning, your
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ 15 WEIL GOTSCHAL & MANGES LLP 17 Hulfish Street 16 Suite 201 Princeton, New Jersey 08542 17 -and- JOHN C GARDE, ESQ 18 McCARTER & ENGLISH Four Gateway Center 19 100 Mulberry Street Newark, New Jersey 07102 20 Attorneys for Defendants Johnson,	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the 16 Etheridges, the Ronnings and Ms. McNeill. 17 THE COURT: Thank you. On behalf of 18 the Defendants, Johnson & Johnson and Johnson & 19 Johnson Consumer Incorporated. 20 MS. SULLIVAN: Good morning, your 21 Honor. Hi, everyone, Diane Sullivan and Jack Nolan
10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ 15 WEIL GOTSCHAL & MANGES LLP 17 Hulfish Street 16 Suite 201 Princeton, New Jersey 08542 17 -and- JOHN C GARDE, ESQ 18 McCARTER & ENGLISH Four Gateway Center 19 100 Mulberry Street Newark, New Jersey 07102 20 Attorneys for Defendants Johnson & Johnson, and Johnson & Johnson Consumer, Inc	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the 16 Etheridges, the Ronnings and Ms. McNeill. 17 THE COURT: Thank you. On behalf of 18 the Defendants, Johnson & Johnson and Johnson & 19 Johnson Consumer Incorporated. 20 MS. SULLIVAN: Good morning, your 21 Honor. Hi, everyone, Diane Sullivan and Jack Nolan 22 for J&J.
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10 Dallas, Texas 75270 Attorneys for Plaintiffs, Douglas and 11 Rosalyn Barden, Charles Etheridge and Darlene Pastore Etheridge, D'Angela 12 McNeill-George, William and Elizabeth Ronning 13 14 DIANE P SULLIVAN, ESQ JACK NOLAN, ESQ 15 WEIL GOTSCHAL & MANGES LLP 17 Hulfish Street 16 Suite 201 Princeton, New Jersey 08542 17 -and- JOHN C GARDE, ESQ 18 McCARTER & ENGLISH Four Gateway Center 19 100 Mulberry Street Newark, New Jersey 07102 20 Attorneys for Defendants Johnson & Johnson, and Johnson & Johnson Consumer, Inc	8 Etheridge versus Johnson & Johnson, D'Angela McNeill 9 versus Johnson & Johnson and William and Elizabeth 10 Ronning versus Johnson & Johnson. 11 May I have appearances please for the 12 Plaintiffs. 13 MR. MAIMON: Thank you. Good 14 morning, your Honor. Moshe Maimon, Chris Panatier 15 and Christopher Placitella for the Bardens, the 16 Etheridges, the Ronnings and Ms. McNeill. 17 THE COURT: Thank you. On behalf of 18 the Defendants, Johnson & Johnson and Johnson & 19 Johnson Consumer Incorporated. 20 MS. SULLIVAN: Good morning, your 21 Honor. Hi, everyone, Diane Sullivan and Jack Nolan 22 for J&J.

Page 6	Page 8				
1 Dr. John Hopkins, who is the corporate	1 MS. SULLIVAN: And, your Honor, we've				
2 representative for the Johnson & Johnson Companies.	2 done investigation. It is actually a J&J document.				
3 We're going to continue with that today.	3 My objection relates to the time frame. 2014				
4 Whenever you're ready, Mr. Panatier.	4 post-dates anybody's use in this case and so it's				
5 MR. PANATIER: Thank you, your Honor.	5 not relevant.				
6 Good morning, everyone.	6 THE COURT: Okay. So that's				
7 CONTINUED DIRECT EXAMINATION BY MR. PANATIER:	7 MS. SULLIVAN: This is the e-mail				
8 Q. Good morning, Dr. Hopkins.	8 that's attached.				
9 A. Good morning.	9 THE COURT: Got it. Okay.				
10 THE WITNESS: Good morning, Jury.	MR. PANATIER: Our argument is that				
11 THE COURT: Oh, I'm sorry, yes,	11 it's a foreseeable use.				
12 please distribute the notebooks. The Jurors just	MS. SULLIVAN: 2014? Stretch.				
13 hand the envelopes back to the officer when you're	3 MR. PANATIER: It's a realistic				
14 done, thank you.	14 foreseeable use.				
15 Officer, can you just pick up those	THE COURT: Look, there have				
16 envelopes and put them to the side. Thank you.	16 certainly, in the course of this litigation, I've				
And now whenever you're ready. Thank	17 read testimony from various individual, Plaintiffs				
18 you.	18 that have indicated that. But in 2014 to say that				
19 BY MR. PANATIER:	19 it's a foreseeable documents say that it's a				
20 Q. Alright. Sir, yesterday I asked you	20 foreseeable use, I mean, unless you have something				
21 a question about whether or not Johnson & Johnson	21 else.				
22 understood that people would put powder in their	22 MR. PANATIER: Well				
23 sheets to smell good or feel fresh, right?	THE COURT: This witness has never,				
24 A. You did.	24 you know, heard of it. It's 2014. We're talking				
25 Q. And did you say at that point you had	25 about the various Plaintiffs' use going back				
Page 7	Page 9				
1 you were unaware of that ever happening?	1 decades. To say that this is foreseeable without				
2 A. On a personal basis, I was not aware	2 anything more				
3 that people did that. But, you know, if you have	3 MR. PANATIER: Okay.				
4 different information	4 MS. SULLIVAN: Thank you.				
5 Q. This will be Exhibit 3695.	5 THE COURT: Okay.				
6 MS. SULLIVAN: Your Honor, can we	6 MS. SULLIVAN: Thank you, your Honor.				
7 have a sidebar on this? 8 THE COURT: Sure.	7 (Sidebar ends.)				
8 THE COURT: Sure. 9 MS. SULLIVAN: Thank you.	8 BY MR. PANATIER: 9 Q. Alright. Yesterday, I brought up				
10 (Sidebar.)	9 Q. Alright. Yesterday, I brought up 10 that we finished talking about Dr. Langer. Now,				
11 MR. PANATIER: 3695-25.	11 we're going to talk about the other Dr. L, Dr.				
12 THE COURT: That's right. I have	12 Lewin, okay?				
13 yesterday's copy. So I will give one back to you,	13 A. Yes.				
14 just in case. We'll spread it around.	14 Q. And you're familiar with this with				
15 MR. PANATIER: So we located a copy	15 the Dr. Lewin situation in the early '70s, right?				
16 with a Bates Stamp.	16 A. Yes.				
17 THE COURT: Hold on, hold on.					
	17 Q. Now, Dr. Lewin was retained by the				
Okay. So, for the record, this was	17 Q. Now, Dr. Lewin was retained by the 18 FDA to test cosmetic talc samples, right?				
18 Okay. So, for the record, this was 19 the issue that we explained yesterday with regard to	•				
	18 FDA to test cosmetic talc samples, right?				
19 the issue that we explained yesterday with regard to	18 FDA to test cosmetic talc samples, right? 19 A. Yes. They gave him that as a				
19 the issue that we explained yesterday with regard to 20 quote, unquote, "native" documents, which is the	18 FDA to test cosmetic talc samples, right? 19 A. Yes. They gave him that as a 20 project.				
19 the issue that we explained yesterday with regard to 20 quote, unquote, "native" documents, which is the 21 first time I've ever heard of anything like that.	 18 FDA to test cosmetic talc samples, right? 19 A. Yes. They gave him that as a 20 project. 21 Q. Right. So, if you will turn to 				
19 the issue that we explained yesterday with regard to 20 quote, unquote, "native" documents, which is the 21 first time I've ever heard of anything like that. 22 MR. PANATIER: So we got one so	18 FDA to test cosmetic talc samples, right? 19 A. Yes. They gave him that as a 20 project. 21 Q. Right. So, if you will turn to 22 there is a tab marked August 3rd, 1972. If you can				

	Page 10			Page 12
1	THE COURT: I'm sorry, Counsel,	1	Q.	Okay. Now, if you'll go to page
	what's the year? What's the date?	2	A.	I've got 102 up to Page 6 but
3	MR. PANATIER: This is August 3rd,	3	Q.	Right. In this one he had looked at
4	1972, your Honor.		102.	Tagaw In was one no new roomes w
5	THE COURT: Thank you.	5	A.	Uh-huh.
6	MR. PANATIER: And this is already in	6	Q.	And by the time he was done, by 1973,
	evidence from last week. It's Plaintiffs'	7	_	oked at about 195
1	Exhibit 2852. And then to help us, this is part of	8	Α.	Yeah.
	our Exhibit 2852.	9	Q.	correct?
	BY MR. PANATIER:	10	A.	Yes, on the later, yes.
11	Q. Here.	11	Q.	Right. Now these are from the FDA,
12	THE COURT: Thank you.			on't number their pages. But it is the
13	A. Thank you.		-	in. It's this one here.
14	Q. That's the back part of the exhibit.	14		It says, "Products having small
15	So here we know that on August 3rd of	15		of chrysotile more than 1 percent but not
16	1972, Dr. Lewin issued his report and the FDA	16	more than	n 5 percent by weight," right?
17	there you go.	17	A.	Yes.
18	Seymour Lewin communicated it to the	18	Q.	Do you see the sample 84, which is
19	FDA, correct?	19	Shower to	Shower, is listed as having 5 percent
20	A. Yes.	20	chrysotile	e, correct?
21	Q. Okay. And in this set, he had looked	21	A.	You read what is written.
22	at a 102 samples, right?	22	Q.	And sample 84 is Shower to Shower,
23	A. Yes.	23	correct?	
24	Q. Now, he was a professor at NYU,	24	A.	I don't have the key.
25	right?	25	Q.	We literally just looked at it.
	Page 11			Page 13
1	A. He was, yes, at that time, yes.	1	A.	I don't have the key here so
$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	A. He was, yes, at that time, yes.Q. He was a world-renowned mineralogist,	1 2	A. Q.	<u> </u>
				I don't have the key here so
2 3 4	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He	2 3 4	Q.	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10.
2 3 4	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected.	2 3 4 5	Q. powder.	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84?
2 3 4 5 6	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected. Q. Okay. And you know that before he	2 3 4 5 6	Q. powder. A. Q. A.	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84? Yes. It's on Page 10.
2 3 4 5 6 7	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected. Q. Okay. And you know that before he was even retained by the FDA to do this work, he was	2 3 4 5 6 7	Q. powder. A. Q. A. Q.	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84? Yes. It's on Page 10. And Shower to Shower is sample 84,
2 3 4 5 6 7	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected. Q. Okay. And you know that before he was even retained by the FDA to do this work, he was already working for the talc industry, correct?	2 3 4 5 6 7 8	Q. powder. A. Q. A. Q. correct, I	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84? Yes. It's on Page 10. And Shower to Shower is sample 84, Dr. Hopkins?
2 3 4 5 6 7 8 9	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected. Q. Okay. And you know that before he was even retained by the FDA to do this work, he was already working for the talc industry, correct? A. I didn't know that, no. But, you	2 3 4 5 6 7 8 9	Q. powder. A. Q. A. Q. correct, A.	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84? Yes. It's on Page 10. And Shower to Shower is sample 84, Dr. Hopkins? That is what it states on Page 10.
2 3 4 5 6 7 8 9 10	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected. Q. Okay. And you know that before he was even retained by the FDA to do this work, he was already working for the talc industry, correct? A. I didn't know that, no. But, you know	2 3 4 5 6 7 8 9	Q. powder. A. Q. A. Q. correct, I	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84? Yes. It's on Page 10. And Shower to Shower is sample 84, Dr. Hopkins? That is what it states on Page 10. So that's 72.
2 3 4 5 6 7 8 9 10	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected. Q. Okay. And you know that before he was even retained by the FDA to do this work, he was already working for the talc industry, correct? A. I didn't know that, no. But, you know Q. We'll look at a document.	2 3 4 5 6 7 8 9 10 11	Q. powder. A. Q. A. Q. correct, A.	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84? Yes. It's on Page 10. And Shower to Shower is sample 84, Dr. Hopkins? That is what it states on Page 10. So that's 72. Now, that's August 3rd.
2 3 4 5 6 7 8 9 10 11 12	Q. He was a world-renowned mineralogist, wasn't he? A. I don't know "world-renowned." He was well-respected. Q. Okay. And you know that before he was even retained by the FDA to do this work, he was already working for the talc industry, correct? A. I didn't know that, no. But, you know Q. We'll look at a document. A. If you can document it, I'll believe	2 3 4 5 6 7 8 9 10 11 12	Q. powder. A. Q. A. Q. correct, J. A. Q.	I don't have the key here so Here it is. Oh, that's 29, baby The key is on Page 10. Right. Shower to Shower, right, 84? Yes. It's on Page 10. And Shower to Shower is sample 84, Dr. Hopkins? That is what it states on Page 10. So that's 72.
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Page 14 Page 16 1 THE COURT: Counsel, is there any 1 A. Yes. 2 objection? 2 Q. XRD is the non-microscope analytical 3 tool that has a detection limit of about half a 3 MS. SULLIVAN: I'm not sure why we 4 need two of the same document, your Honor, but I 4 percent, right? 5 don't care. No objection. 5 A. Yeah, .3 to .5 depending on the speed THE COURT: So admitted as previously 6 at which you run the machine. 6 7 7 admitted and readmitted again. Alright, sir. 8 8 MR. PANATIER: Thank you. So now looking at July 31st, 1973, 9 (Plaintiff's Exhibit 1297 was moved 9 now this was Lewin's final report, correct? 10 into evidence.) 10 A. I believe so. 11 BY MR. PANATIER: 11 Q. Okay. But let's look at what -- this 12 is from the FDA, correct, sir? 12 Before we look at that one -- you 13 found it? 13 A. Yes. Yes, I found it. 14 14 Q. Okay. Now let's look at what Dr. A. 15 Q. The one with the seal? 15 Weissler says here. He's at the FDA, true? 16 A. Yes. 16 Α. Yes. 17 The second part of the previous 17 Q. Q. Okay. It says, "I asked Dr. Lewin in 18 document? 18 December of '71 to undertake asbestos analyses in 19 19 100 samples of cosmetic powders. The scope was A. Yes. 20 20 expanded on two subsequent occasions to include a O. Let's take a look at that. 21 21 total of 195. I chose Dr. Lewin for this work That's an FDA document provided through 22 FOIA, right, you see that? 22 because he is an internationally-recognized expert 23 Yes. 23 on mineralogical chemistry," right? A. 24 24 Q. If you turn to the second to last So, according to the FDA, he was an 25 page, just so we can get a full picture of Lewin's 25 internationally-recognized expert on mineralogical Page 15 Page 17 1 analysis. You can see that this is on New York 1 chemistry, correct? 2 University letterhead. Do you see that? 2 A. Yes, you read what was written. Yeah. "And because he is a member of 3 A. Yes. 3 4 And it's got some other products. 4 the academic community and, therefore, likely to be O. 5 Now, it looks like it's Products 13 5 impartial in a confrontation between industry and 6 through 38 on the side. Do you see that, but it's 6 government. Furthermore, his competence had 7 kind of cut off? 7 previously been recognized by industry by virtue of 8 their own use of him as a consultant which appeared 8 A. On this version, it's 113 to 138. Q. Well, look on the next page. You can 9 to confer a desirable immunity against possible 10 see that it's 113 through 138, but on the results it 10 industry attacks on the validity of the results." 11 looks like it's cut off, correct? Now, we know that Dr. Lewin was not 11 12 A. Yes. 12 immune to attacks from industry, correct? 13 Okay. So, just to get our bearings, 13 A. Yes. 14 we know that 131 through 138 were also Johnson & 14 O. Okay. So let's look at how these 15 Johnson products, correct? 15 results evolved, okay. Yes. So here's sample 84. If you go to 16 A. 16 17 Q. There's two medicated powders, 17 the page at the bottom, there's a Bates Stamp 18 there's three Shower to Showers and it looks like 18 HHS220, right? And 73 he goes from 5 percent to 19 there's three baby powders, right? 19 questionable, right? 20 20 A. A. Yes. 21 21 Q. Okay. He tested a total of 11 Q. Alright. In 29 and 30 on Page 226 --22 oh, sorry, 29 and 30 are J&J Baby Powder, correct? 22 Johnson & Johnson products, correct? 23 On this project, yes. 23 I believe they were, yes. A. A. 24 Q. Yes. Okay. We know that he was 24 Q. J&J Baby Powder and medicated powder. 25 doing XRD, correct? 25 And then here's the list again. We

1	Page 18	1	Page 20
1	can see 131 to 138 are the J&J products, correct?	1	MR. PANATIER: Well, I'll object to
2		1	nonresponsive, your Honor.
3		3	THE WITNESS: Okay.
1	right, from 1972?	4	THE COURT: The jury will not
5			consider that testimony. It's stricken.
	here, the later 1973 report it states non-detect.	6	Please answer the question he asked.
7	,	7	THE WITNESS: I beg your pardon. Ask
1	here, we can look at them, right.	1	the question again.
9	£ , ,		BY MR. PANATIER:
1	question mark, 84, 85 ND, 186 question mark, right?	10	Q. Yes. You've reviewed all the
11	A. Yes.	1	relevant documents in the case, right, you told us
12	, , , , , , , , , , , , , , , , , , , ,	1	that yesterday?
	138. Here we go. Here we are. Look, 131, 138	13	A. I believe I have, yes.
1	those are all ND now, correct?	14	Q. Okay. So, if you reviewed all the
15	•	1	relevant documents in the case, I expect that you
	written what he's written, ND.	1	would have reviewed a document dated August 14th,
17	Q. Now, it says, X-ray diffraction,	1	1972. And there's two of them. They should be
	right?		right next to each other in your binder, yeah, on
19		1	both of them.
20		20	That one and the next one, yes.
1	X-ray diffraction the one time, correct?	21	MR. PANATIER: These will be
22	•		Exhibits 2423 and 2424.
23	•	23	Q. Have you found those two dated
24	, , , , , , , , , , , , , , , , , , , ,	1	August 14, 1972?
25	yeah, I've done these sort of things and you often	25	A. Yes.
	Page 19		Page 21
	do duplicate or replicates	1	Q. Okay. Let's go to the one since
2	,	1	they have the same date, let's go to the one that
3	, ,	1	says, "talc asbestos summary of FDA meeting
	scientists may well do more than one just to check	1	8/11/72," to Dr. R.A. Fuller." Do you see that?
	the results.	5	A. Yes.
6	7 1	6	Q. Okay, good. Now, that is a Johnson &
7	J 1	1	Johnson document, do you see it's from W. Nashed to
1	my question is, did Dr. Lewin do X-ray diffraction		R.A. Fuller?
	more than once on these?	9	A. It is, yes.
10		10	MR. PANATIER: Okay. We offer this
11	Q. And between 1972 and 1973, what did	11	into evidence, Exhibit 2424.
1 1 0		10	MC CHILITANI N. 1
	he do that brought him from finding asbestos in some	1	MS. SULLIVAN: No objection.
13	he do that brought him from finding asbestos in some of these to non-detect in virtually all of them but	13	THE COURT: So admitted.
13 14	he do that brought him from finding asbestos in some of these to non-detect in virtually all of them but for 84 where there is a question mark? What did he	13 14	THE COURT: So admitted. (Plaintiff's Exhibit 2434 was moved
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13 14 15 16 17 18 19 20 21 22 23	he do that brought him from finding asbestos in some of these to non-detect in virtually all of them but for 84 where there is a question mark? What did he do? A. I don't know what he did. I can speculate. He checked again with his results. But that's no more than speculation. Q. Well, you said you've seen all the relevant documents in the case, right? A. Well, his project was sponsored by the Food and Drug Administration. MR. PANATIER: I'm going to object to	13 14 15 16 17 18 19 20 21 22 23	THE COURT: So admitted. (Plaintiff's Exhibit 2434 was moved into evidence.) BY MR. PANATIER: Q. This is the document we're looking at here, sir. And we know that this is, approximately, 11 days after Lewin's initial report comes out. So they have a meeting with the FDA on 8/11/72, which is eight days after the Lewin report is sent to FDA, right? A. Yes, it's eight days, yes.
13 14 15 16 17 18 19 20 21 22 23	he do that brought him from finding asbestos in some of these to non-detect in virtually all of them but for 84 where there is a question mark? What did he do? A. I don't know what he did. I can speculate. He checked again with his results. But that's no more than speculation. Q. Well, you said you've seen all the relevant documents in the case, right? A. Well, his project was sponsored by the Food and Drug Administration. MR. PANATIER: I'm going to object to nonresponsive.	13 14 15 16 17 18 19 20 21 22 23 24	THE COURT: So admitted. (Plaintiff's Exhibit 2434 was moved into evidence.) BY MR. PANATIER: Q. This is the document we're looking at here, sir. And we know that this is, approximately, 11 days after Lewin's initial report comes out. So they have a meeting with the FDA on 8/11/72, which is eight days after the Lewin report is sent to FDA, right?

Page 22 Page 24 1 A. Well, obviously, yes. 1 products? 2 Q. Okay. So his summary says, "The 2 A. He claimed he saw -- he observed 3 CTFA, FDA and Johnson & Johnson meeting can be 3 chrysotile. He claimed that, yes. 4 summarized as follows." And they have a lot of Right. And Ian Stewart from McCrone 5 stuff. They provided their own data on Shower to 5 said that light microscopy may not detect 6 Shower that they say it is free of chrysotile, 6 chrysotile, correct? 7 right? 7 A. He stated what he stated. 8 8 A. Yes. Q. Right. Q. They say that Dr. Lewin didn't agree A. He didn't specify whether it's 10 with McCrone's interpretation of the X-ray data; 10 optical light or polarized light. He just uses the 11 word light microscopy. 11 however, he could not satisfactorily explain the I didn't ask you what type of light 12 absence of chrysotile asbestos in the electro 12 O. 13 microscopy grids. He said it may be asbestos 13 microscopy. 14 growing inside the plates on top. 14 He said light microscopy may not 15 They summarize a lot of stuff here, 15 detect chrysotile fibers, correct? 16 Α. Correct. 16 right? 17 17 And look at what Dr. Weissler for the A. Yes. Q. 18 Q. What they say here is, "On the basis 18 FDA, what he says. "Dr. Weissler said that they 19 of our data, CTFA was able to say that the Lewin 19 recognized that some samples will be passed on that 20 report is incomplete since it relied only on X-ray 20 basis but they are willing to live with that," 21 assay, which must be confirmed by microscopy." 21 right? 22 So what they're saying is, if you're 22 A. Well, what is written is what Dr. 23 going to do X-ray you have to confirm it by optical 23 Weissler stated back in 1972. 24 microscopy, correct? 24 O. Meaning, that they accept that some 25 25 chrysotile will not be seen, correct? A. Yes. Page 25 Page 23 What Dr. Weissler and FDA stated is A. 1 Now, let's skip ahead. In 1976 1 2 Johnson & Johnson and the CTFA adopt J4-1, correct, 2 what he stated. 3 which is the industry analytical standard for talc 3 Q. Okay. And so he then says, "Dr. 4 Schaffner" -- who is at the FDA, is he not? 4 and asbestos, right? 5 Α. Yes, he was. 5 A. It is, yes. (Continuing.) "Said that this Okay. That method is XRD and then Q. 7 procedure will be adopted in the proposed policy 7 only if there's a positive do you go to optimal 8 statement. He asked if anyone present had any 8 microscopy, correct? 9 A. Yes. 9 toxicological objections to the allowance of 10 1 percent weight for weight asbestos and talc. No 10 Q. Okay. Yet here in 1972, Johnson & 11 objections were raised"; is that correct? 11 Johnson is saying that X-ray assay must be confirmed 12 by microscopy, correct? 12 A. At that particular meeting, that is 13 13 what is written. A. Yes. 14 Okay. "Dr. Schaffner asked Dr. Lewin 14 O. Johnson & Johnson was at this Q. 15 meeting, right? 15 to tell the group what work he proposes to confirm 16 his X-ray findings. After some discussion Dr. Lewin 16 A. Yes. I believe they were. 17 Q. Right. This is Johnson & Johnson's 17 said that to be able to say that a sample contains 18 memo of the meeting, correct? 18 asbestos, the X-ray results have to be confirmed by 19 a light microscopy. If no asbestos tremolite or 19 A. There was a lot of people there. But 20 I believe they were there, yes. 20 chrysotile is seen, the sample is declared free of 21 21 asbestos. In subsequent discussion, Mr. Ian Stewart Okay. Well, let's just -- just so we 22 are clear, right, CTFA, FDA and Johnson & Johnson 22 pointed out that light microscopy may not detect 23 meeting, right? 23 chrysotile fibers." 24 A. Now what was the chief type of fiber 25 Q. 25 that Dr. Lewin had said was in the Johnson & Johnson They wouldn't call it a Johnson &

Page 26 Page 28 1 Johnson meeting if they weren't there? 1 A. Yes. No, it was a CTFA and a Food and Drug 2 Q. Okay. Alright. This one is also by 3 Administration meeting. 3 Dr. Nashed, right? You told us yesterday that Johnson & 4 4 A. Yes. 5 Johnson's stated policy is zero tolerance for 5 August 14th, 1972, correct? Q. 6 asbestos, correct? 6 Correct. MR. PANATIER: This is Exhibit 2423, 7 7 A. That is the policy, yes. 8 Q. Here, Schaffner for the FDA says 8 your Honor. We offer it into evidence. 9 that -- "he asked if anyone present had any 9 MS. SULLIVAN: No objection. 10 toxicological objections to the allowance of 10 THE COURT: Admitted. 11 1 percent asbestos in talc. No objections were 11 (Plaintiff's Exhibit 2423 was moved 12 raised," correct? 12 into evidence.) 13 A. Well, that's what Dr. Schaffer --13 BY MR. PANATIER: 14 Schaffner wrote. 14 This is Dr. Nashed writing a memo to 15 O. Are you saying that Johnson & Johnson 15 file. We've seen one of these before, right? 16 did object, but it wasn't recorded? 16 A. We have, yes. 17 I don't know. I wasn't there in 17 Okay. This is more of a sort of Q. 18 1972. 18 summary of what individual people said, correct? 19 It appears to be, yes. It's their Q. If Johnson & Johnson has a zero 19 20 tolerance policy for asbestos, why would they not 20 comments at a particular meeting, Food and Drug 21 object when the FDA said, we're going to allow 21 Administration, yes. 22 1 percent asbestos in talc? 22 Q. Now, Mr. Merritt was head of the 23 I can't answer that. All I can say 23 CTFA, correct? A. 24 is they had and still have a zero tolerance policy. 24 A. I don't know. I don't know at that 25 But the reality is outside of what 25 time. He was certainly part of CTFA. Page 27 Page 29 1 they say, they really didn't because we have the 1 Q. Okay. Let's see what Merritt says. 2 evidence right here. The FDA has said 1 percent 2 "It is unfair to select samples at random and 3 will be allowed and no objections were raised; isn't 3 release information by brand name. This is not an 4 that true? 4 industry survey but an industry sampling. If the 5 MS. SULLIVAN: Objection, lawyer 5 results are in error, the FDA will have to apologize 6 later. Also the release of information will cause 6 argument, your Honor. 7 THE COURT: Overruled. 7 economic hardships." 8 Now, it would only cause an economic You can answer. THE WITNESS: The document states 9 hardship if the information showed that there was 10 what Dr. Schaffner FDA stated, period. 10 asbestos in the product, right; if it said it was 11 BY MR. PANATIER: 11 asbestos free, there would be no economic hardship, 12 O. And what Johnson & Johnson didn't 12 right? Well, if the information was 13 state, an objection, right? 13 A. Well, it said no objections were 14 A. 14 factually correct, right. 15 raised. 15 Okay. He suggested that if the FDA Q. Let's go down here. "We obtained an 16 releases anything it should be by code number. So Q. 16 17 agreement with Dr. Schaffner and Lewin to allow Ian 17 not by brand name, right? 18 Stewart to interact with Dr. Lewin to resolve the 18 A. Well, he's written what he's written. 19 differences on Shower to Shower findings." 19 Q. Okay. Schaffner says, "Our lawyers 20 say we have to release the actual names," right? 20 Now, Ian Stewart was a consultant to 21 Johnson & Johnson, right? 21 Again, you're reading what he wrote. A. 22 Okay. Merritt says, "This is not 22 A. Yes. Q. 23 legally the case. We reserve the right to legal 23 Okay. So that's the first memo from 24 that day by Dr. Nashed. If you'll look at the next 24 action by the CTFA." 25 one also dated the same date. Have you found it? 25 So they're threatening legal action

Page 30 Page 32 A. That's what he states -- stated. 1 against the FDA, correct? 1 2 O. And here he -- that's verified, "The 2 Well, they have an opinion and Dr. 3 light microscopy is not capable of detecting fine 3 Schaffner had an opinion. 4 chrysotile fibers," correct? Okay. Alright. So let's see what 5 A. That's what he stated. 5 they say about Dr. Lewin. Dr. Lewin in responding 6 Q. Right. Dr. Weissler, "I understand 6 to Johnson & Johnson says, "Knowing Johnson & 7 that some samples will be passed even though they 7 Johnson, I repeated my work on Shower to Shower last 8 night using stefs scanning. I find that my initial 8 contain such fibers but we are willing to live with 9 it," right? 9 result is confirmed," right? 10 A. That's what he stated. 10 A. Again, you're reading what he stated. 11 Q. Dr. Schaffner from the FDA, "The 11 Q. Now, on the Shower to Shower, he 12 policy will depend on X-ray, which is sensitive to 12 reported finding asbestos, correct? 13 more than 1 percent asbestos." 13 He claimed to have found -- he 14 So X-ray, right, that's XRD, correct? 14 claimed to have found chrysotile. 15 A. It is, yes. 15 And he said, "I know these guys, so I Q. 16 repeated my work last night. I verified it," right? 16 Q. Here they're saying it's sensitive 17 A. Well, that's what he wrote. 17 only to 1 percent, right? 18 A. At the time it was. 18 Dr. Nashed from J&J says, "We didn't O. 19 19 find any asbestos in Shower to Shower," right? Q. Meaning, if there's asbestos present 20 less than 1 percent, it's not going to be seen, 20 A. 21 right? 21 Okay. Interestingly, Dr. Schaffner 22 says at one point, "I understand that talc can be 22 A. At that time, that was the case by 23 X-ray diffraction. 23 purified to remove asbestos, looking at Nashed." 24 And then someone said -- from Whitaker Clark & 24 O. Again, does anybody object from a 25 Daniel says, "This cannot be done. The mine must be 25 toxicological point of view, no objections, right? Page 31 Page 33 1 substantially free of asbestos." And Johnson & 1 A. Well, I wasn't at that meeting. 2 Johnson agrees with that, correct? 2 Q. The people who were say nobody 3 A. Absolutely, yes. 3 objected to that? 4 Right. If there is asbestos present, Q. A. Well, that's what's stated in that 5 there's not a process that can remove it all from 5 report. 6 the talc, correct? Okay. And so industry said, Lewin 7 A. Correct. 7 you've got to verify your results, right? Okay. And then Avon says, "We don't 8 Are you reading from... 9 know if our supply has less than 1 percent of 9 We just went over it on the previous 10 asbestos. But this isn't an Avon case." 10 document right here. "On the basis of our data, Schaffner, "No, I think all samples 11 CTFA" -- of which Johnson & Johnson was a member, 12 must be confirmed. Lewin finally suggested that the 12 correct, sir? 13 samples be examined by light microscopy and if the 13 A. 14 asbestos is not seen, the sample will be declared no 14 (Continuing.) "Was able to say that 15 detectable asbestos." 15 the Lewin report is incomplete since it relied on Right, that's that "ND" we've seen, correct? 16 16 X-ray only. It has to be confirmed by microscopy," 17 Yes, looking at it by light, yes. 17 correct? 18 Not withstanding the X-ray finding. 18 A. Correct. 19 Dr. Stewart -- now, in the previous memo, Dr. Nashed 19 Q. They insisted upon that, correct? 20 says that Dr. Stewart says something about light 20 A. That's what was written. 21 microscopy, correct? Right. At the same time they know 21 Q. 22 He used the word "light microscopy." 22 that the light microscopy is not capable of 23 Right. Dr. Stewart said or Ian 23 detecting the chrysotile, right? Correct, sir? 24 Stewart said, "Light microscopy may not detect 24 On the previous -- yeah, that's what 25 chrysotile fibers," correct? 25 is stated. But on the previous one it uses the word

Page 34	Page 36
1 "microscopy." Certainly, by 1972 Johnson & Johnson	1 Q. Okay.
2 were using transmission electron microscopy.	2 A. He didn't have
3 MR. PANATIER: I'm going to object as	3 Q. Again, you have two documents here
4 nonresponsive.	4 where Johnson & Johnson is given an opportunity to
5 THE COURT: Doctor, could you please	5 object to something that is only sensitive to 1
6 just answer the question being asked.	6 percent, right, XRD?
7 THE WITNESS: Yes.	7 A. Yes.
8 THE COURT: Thank you.	8 Q. Right?
9 BY MR. PANATIER:	9 A. Yes.
10 Q. What they used here was not	10 Q. And they are given an opportunity to
11 transmission electron microscopy at all, correct?	11 object to using light microscopy but they all accept
12 A. Let's go back again.	12 it, don't they?
13 Q. Sir, let me just ask you a question.	13 A. On that part of the phraseology, I,
You said yesterday that you had reviewed all	14 you know, I don't know whether you are going to go
15 of the relevant documents in the case, correct?	15 on to Page 3 of the
16 A. Yes.	16 Q. Which one? What do you want to look
17 Q. I've shown you these documents	17 at?
18 before, haven't I?	18 A. Well, it's part of this whole
19 A. You have, yes.	19 documentation of what was said and what they did, on
20 Q. In person, at your deposition?	20 Page 3, which is top of Page 358. He does talk
21 A. Yes.	21 and that's what I was trying to say "I suggested
22 Q. You know that they're not talking	22 he look at a sample by EM."
23 about transmission electron microscopy here,	23 Q. Where are you?
24 correct?	24 A. It's Bates No. ending 3555.
25 A. Ian Stewart was not talking about	25 Q. I have that. Where are you?
Page 35	Page 37
1 transmission electron microscopy, no.	1 A. Okay. The penultimate paragraph on
2 Q. What the industry said was, Lewin you	2 the bottom said, "During lunch I discussed with Dr.
3 have to follow up with light microscopy, correct?	3 Lewin" and then he goes on to say "I suggested
4 A. Would you put that back on the screen	4 he look at our sample by EM."
5 so	5 Q. Right. 6 A. And I believe that's what I was
6 Q. I will put it up again, sure. 7 A. I don't want to give a false	
7 A. I don't want to give a false 8 statement.	7 just trying to say, that they weren't just talking 8 about optical in the discussion.
9 Q. "Confirmed by microscopy," correct?	9 Q. Dr. Nashed invited Dr. Lewin to look
10 A. Yeah, that was the point I was trying	10 at a sample, a sample by EM, not all of his testing.
11 to make. It said it must be confirmed by	11 You understand that this entire thing
12 microscopy.	12 was about all confirming, as they say, all of the
13 Q. Yes. And in the discussion they're	13 testing he had done, correct?
14 clearly talking about Lewin doing light microscopy.	14 A. Yes.
15 "In subsequent discussion Ian Stewart pointed out	15 Q. And it was set to be confirmed, as
16 light microscopy may not detect chrysotile fibers.	16 they put it, by optical microscopy, you understand
17 Weissler said they recognize some samples will be	17 that, right?
18 passed on that basis but willing to live with it,"	A. At that part of the meeting, yes.
19 correct?	19 Q. Dr. Lewin never confirmed his results
20 A. Yes.	20 by EM, correct?
21 Q. Okay. We know that Lewin concludes	21 A. No
22 by saying, "I'll do light microscopy. If I don't	22 Q. Okay.
23 see it, I'll say non-detect," correct?	23 A but I was just trying to explain
A. I believe that was what he stated,	
	24 that they did talk about it at that meeting.
25 yes.	24 that they did talk about it at that meeting. 25 Q. They talked about all sorts of things

	D 20		D 40
1	Page 38 at the meeting. But that's what Dr. Lewin was asked	1	Page 40 Q. Okay, yeah.
1	to do, was it?	2	So, to summarize, Lewin does XRD, XRD
3	MS. SULLIVAN: Objection, your Honor,		is only sensitive, according to this report, down to
	lawyer argument.	1	1 percent, correct?
5	THE COURT: Overruled.	5	A. According to that report.
6	You can answer it.	6	Q. He does get a good number of
7	BY MR. PANATIER:	7	positives for asbestos, correct?
8	Q. Correct, sir?	8	A. He gets positives for amphibole by
9	A. Lewin was asked to look at it by	9	XRD.
10	light microscopy.	10	Q. Right, right. Then he reports in
11	Q. Right. And so, when he comes back in	11	'72?
	1973 and a bunch of his chrysotile results become	12	A. He reports in this yes,
13	question marks or non-detects, right, we have a	13	amphiboles.
1	reasonable explanation as to why, because Ian	14	Q. Eight days later they're meeting with
1	Stewart from McCrone told us the light microscopy	1	the FDA and they get the FDA to say, you've got to
	will not resolve the fine chrysotile fibers,	1	confirm these but you have to do it by a different
	correct?	1	method optical microscopy, correct?
18	A. Again, I'm not I mean, you are	18	A. Yes.
	stating what was stated, correct.	19	Q. And Johnson & Johnson's own
20	Q. Right.	1	consultant at the meeting says, it's not going to
21	A. But I'm not a microscopist, so I	1	see fine chrysotile, correct?
	don't want to speculate.	22	A. Well, that's what he stated at that
23	Q. Ian Stewart was, though?	23	time.
24 25	A. Ian Stewart was, yes.Q. Alright. You can set that aside.		Q. And then the results go to non-detect in the last report, correct?
23		23	
1	Page 39 And then Dr. Lewin was he wrote a	1	Page 41 A. Well, that's what Dr. Lewin
$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	letter to the editor where he said he said		A. wen, that's what Dr. Lewin Professor Lewin reported.
	you're familiar with this, right?	3	Q. Now, he also said in that meeting,
4	A. Yes.		eight days after the initial report that he had
5	Q. Right. It's marked 1973. I think	1	confirmed the Shower to Shower report the night
	this is already in evidence from last week. It's a	1	before, right?
	Defense exhibit. I'll just put it up.	7	
8	Right, we saw this last week where he	8	Q. Shower to Shower was sample 84,
9	says, "In the article referred to, I was erroneously	9	right?
10	quoted as having reported that Johnson & Johnson	10	A. Yes.
	talcum powder contained 2 to 3 percent asbestos. In	11	MR. PANATIER: Okay. Okay. Let's
12	actual fact, I reported that 11 of the samples of	12	look at this will be 3695-26. This is a FDA FOIA
13	the products of this company I found no asbestos in	13	document, your Honor.
	nine of the samples and the other two samples fell	14	THE COURT: Thank you.
	into the inconclusive category described above.	15	
1	These results are not seriously at variance with	16	Q. Dr. Hopkins, this here
	those reported by investigators retained by the	17	MR. PANATIER: Your Honor, we'll
	company."	1	offer this into evidence. It's a memo of a meeting
19	So we're talking about McCrone, Colorado	19	August 11, 1972. It's the FDA FOIA response.
	School of Mines, Brown, all those guys, right?	20	MS. SULLIVAN: No objection.
21	A. Yeah, Berger.	21	THE COURT: Admitted.
22	Q. Berger?	22	(Plaintiff's Exhibit 3695-26 was
23 24	A. Professor Pooley.Q. Yes, okay.	23	moved into evidence.) BY MR. PANATIER:
25	Q. Yes, okay. A. Yeah.	25	Q. This is the FDA's own memo of their
1 43	11. I Can.	23	Z. This is the LDV 2 Own Highlo of their

1	Page 42		Page 44
]	Page 42 meeting, right?	1	Page 44 starting with 2416?
2		2	MR. PANATIER: 2415, your Honor.
3		3	THE COURT: 15, thank you.
4	Rolle, Hammer, Goudie and Stewart are all listed as	4	MR. PANATIER: Yes.
5	being there for Johnson & Johnson, right?	5	BY MR. PANATIER:
6	A. Yes.	6	Q. And inside he makes very clear what
7	Q. They have more people there than any	7	they're looking at. He says that, both samples, at
8	other company, right?	8	least, by their characterization contained an
9	A. There are representatives from many	9	insignificant amount of tremolite, less than
10	other companies, yes.	10	5 percent, right?
11	7 1 1	11	A. Yes.
1	company than any others did for theirs, right?	12	Q. Okay. And we know that these were
13		l .	samples 108 and 109T, correct?
14	, ,	14	A. Yes.
1	with this statement. "There was no disagreement	15	Q. And McCrone now, we've heard a lot
1	between FDA industry scientists present at this		about McCrone. I think you have said they're
1	meeting about the potential safety hazard that the	l .	world-renowned. They were head of the game. They
	s presence of asbestos in talc containing cosmetic		knew what they were doing with microscopy, correct?
1	product posses to the consumer."	19	A. Yes.
20	2	20	Q. And they say here, the total
1	that that would pose a danger to the consumer,	l .	tremolite content of the two samples would be,
	correct, if there was asbestos in consumer talc?	22	approximately, .5 percent for 108T and about .2 to
23		l .	.3 percent for 109T, correct? A. Yes.
24	Q. Alright. So let's go to October 27, 1972. And you probably have four tabs with that	24 25	A. Yes. Q. And they say in their conclusion, "A
23		23	
1	Page 43 date. And they're all related.	1	Page 45
2	-		detailed examination of two samples of Johnson & Johnson's Baby Powder 108T and 109T has shown this
3	•	l .	material to be substantially free of asbestiform
4		l .	minerals."
5			
	will be Exhibits 2415, 2416, which are both in	5	Now, "substantially free" doesn't mean all
6	will be Exhibits 2415, 2416, which are both in I'm sorry yeah, 2416, 2415 is already in	5	Now, "substantially free" doesn't mean all free, does it?
6 7	will be Exhibits 2415, 2416, which are both in	5 6 7	Now, "substantially free" doesn't mean all free, does it? A. No. You're reading what is written.
6 7	will be Exhibits 2415, 2416, which are both in I'm sorry yeah, 2416, 2415 is already in evidence. 2419 is already in evidence and then 2417. So 2416 and 2417 we'll offer into evidence.	5 6 7 8	Now, "substantially free" doesn't mean all free, does it?
6 7 8	6 will be Exhibits 2415, 2416, which are both in 6 I'm sorry yeah, 2416, 2415 is already in 7 evidence. 2419 is already in evidence and then 8 2417. So 2416 and 2417 we'll offer into evidence. 9 MS. SULLIVAN: No objection.	5 6 7 8	Now, "substantially free" doesn't mean all free, does it? A. No. You're reading what is written. I'm not going to speculate on what they meant by
6 7 8 9	6 will be Exhibits 2415, 2416, which are both in 6 I'm sorry yeah, 2416, 2415 is already in 7 evidence. 2419 is already in evidence and then 8 2417. So 2416 and 2417 we'll offer into evidence. 9 MS. SULLIVAN: No objection. 10 THE COURT: So admitted.	5 6 7 8 9 10	Now, "substantially free" doesn't mean all free, does it? A. No. You're reading what is written. I'm not going to speculate on what they meant by "substantially free."
6 7 8 9 10	will be Exhibits 2415, 2416, which are both in I'm sorry yeah, 2416, 2415 is already in veidence. 2419 is already in evidence and then 2417. So 2416 and 2417 we'll offer into evidence. MS. SULLIVAN: No objection. THE COURT: So admitted. (Plaintiff's Exhibit 2416 was moved	5 6 7 8 9 10	Now, "substantially free" doesn't mean all free, does it? A. No. You're reading what is written. I'm not going to speculate on what they meant by "substantially free." Q. Well, if it was free, they would say
6 7 8 9 10 11	will be Exhibits 2415, 2416, which are both in I'm sorry yeah, 2416, 2415 is already in evidence. 2419 is already in evidence and then 2417. So 2416 and 2417 we'll offer into evidence. MS. SULLIVAN: No objection. THE COURT: So admitted. (Plaintiff's Exhibit 2416 was moved into evidence.)	5 6 7 8 9 10 11	Now, "substantially free" doesn't mean all free, does it? A. No. You're reading what is written. I'm not going to speculate on what they meant by "substantially free." Q. Well, if it was free, they would say "free," wouldn't they?
6 7 8 9 10 11 12	will be Exhibits 2415, 2416, which are both in I'm sorry yeah, 2416, 2415 is already in evidence. 2419 is already in evidence and then 2417. So 2416 and 2417 we'll offer into evidence. MS. SULLIVAN: No objection. THE COURT: So admitted. (Plaintiff's Exhibit 2416 was moved into evidence.) (Plaintiff's Exhibit 2417 was moved	5 6 7 8 9 10 11 12	Now, "substantially free" doesn't mean all free, does it? A. No. You're reading what is written. I'm not going to speculate on what they meant by "substantially free." Q. Well, if it was free, they would say "free," wouldn't they? A. They may do.
6 7 8 9 10 11 12 13 14 15	will be Exhibits 2415, 2416, which are both in I'm sorry yeah, 2416, 2415 is already in evidence. 2419 is already in evidence and then 2417. So 2416 and 2417 we'll offer into evidence. MS. SULLIVAN: No objection. THE COURT: So admitted. (Plaintiff's Exhibit 2416 was moved into evidence.) (Plaintiff's Exhibit 2417 was moved into evidence.) BY MR. PANATIER:	5 6 7 8 9 10 11 12 13 14 15	Now, "substantially free" doesn't mean all free, does it? A. No. You're reading what is written. I'm not going to speculate on what they meant by "substantially free." Q. Well, if it was free, they would say "free," wouldn't they? A. They may do. Q. Right. A. They may do. Q. And, in fact, the very next line they
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Page 46 Page 48 1 than asbestiform minerals that they say in the 1 There's my drawing of a fiber. 2 sentence right before that, sir? 2 Now what's the difference between my 3 A. No, tremolite rods are not 3 fiber and your rod? This is where we get into the 4 asbestiform. 4 5 5 expertise that are required from a microscopist to Q. Where do you get -- are you a trained 6 geologist? 6 explain the difference between a fibrous form of --7 7 for asbestos or the non-fibrous form of tremolite or A. I've read so much of those, thousands 8 of documents, that's where I've gained that 8 those materials. 9 information. Q. What we have here from McCrone is 10 Q. Let's just see here. 10 McCrone says it's "substantially free," which means 11 it's not free of asbestiform minerals, correct? 11 So I want you to tell me --12 MR. PANATIER: You know what, your 12 What is written is what is written. 13 Honor, permission for the witness to step down to 13 It says, "substantially free of asbestiform 14 the chart. 14 minerals." 15 THE COURT: Sure. 15 Q. If I draw a circle and I -- say it's 16 BY MR. PANATIER: 16 substantially colored in, it means it's not all the And choosing any color you like, sir, 17 way colored in, correct? 17 18 can you draw what you believe a rod looks like. 18 You know, I'm not going to speculate 19 Show us a rod. 19 on what McCrone wrote long ago. 20 20 Hold on. I'm just talking about my A. It looks like my pen. Q. 21 Okay. So go ahead and draw it since Q. 21 circle right now. 22 you're down here. 22 A. Okay. You can talk about your 23 (The witness complies.) 23 circle. A. 24 Okay. Thank you. Q. 24 O. Okay. So, if -- because we're just 25 That's it. 25 trying to get your understanding straight, sir. Page 47 Page 49 That's very good. That's very good. 1 So, if I substantially color in the 1 2 circle. I haven't colored in the entire circle, have 2 Did you go to art school? 3 And we're going to put -- I'll put 3 I? 4 "rod" here; is that okay? 4 No. But you're talking about A. 5 A. Yes. 5 circles. Okay. Okay. I'm sorry I got you Can we agree that it's substantially Q. 6 Q. 7 down here to just draw one line. But now we know 7 colored in? 8 what we're talking about. Again, it's -- you're playing word That's okay. Now we know what we are 9 games. It is substantially colored in, not entirely 10 talking about. Like I said, it looks like my pen. 10 colored in. Now, we know it was tremolite, right? 11 Q. 11 O. I don't think I'm the one playing 12 A. Yes. 12 "word games," sir. And we know that Johnson & Johnson's 13 O. 13 It's not entirely colored in. 14 definition of a fiber is something that is 3-to-1 or 14 MS. SULLIVAN: Lawyer argument. 15 longer, correct? 15 Can you just answer my question? Q. THE COURT: Excuse me. Not more than 16 A. A fiber? 16 17 Q. That's correct. 17 one person at one time please, for the record. 18 Yes, yes. 18 The question, please. A. 19 Q. What you drew is certainly 3-to-1 or 19 BY MR. PANATIER: 20 longer. It's about probably a hundred-to-1, isn't 20 The question is, sir, with regard to 21 it? 21 the circle, so we can try to get our bearings and be 22 22 on the same ground, would you agree that it's That particular drawing is a rod, A. 23 which is not microscopically described as fibrous or 23 substantially colored in? 24 fibrous. 24 A. If you are describing the circle, 25 25 yes. Q. I'm going to draw a fiber; there.

Page 50	Page 52
1 Q. Okay. Which means that part of it,	1 report, right?
2 this little part down here, is not colored in,	2 A. Yes.
3 right?	3 Q. And this is now in evidence. You can
4 A. The circle is not fully colored in.	4 see this is 2416.
5 Q. What "substantially" means, is that	5 This says "McCrone study being
6 most of, but not all. Can we agree with that	6 redone," right?
7 working definition of "substantial"?	7 A. Yes.
8 A. In relation to the circle, yes.	8 Q. If you turn to the other side of it,
9 Q. Okay. Now, let's take that same	9 it says, October 27, 1972. "Here is our report on
10 definition and let's apply it to what McCrone said.	10 the baby samples. I hope to have the Shower to
11 They said "substantially free," which means most but	11 Shower report out to you soon. But something always
12 not all. Can we agree that that's what that means?	12 seems to break lose when I sit down to write it."
13 A. Again, I'm not going to speculate	13 Okay.
14 what Ian Stewart wrote in 1970, whatever it was, as	Someone there at J&J says, it's being
15 to what he meant.	15 redone, right?
16 Q. I	16 A. Yes.
17 A. He wrote what he's spoken, "not	17 Q. And then there's addition, I guess,
18 substantially free."	18 once it comes in. It says, new one is in the Master
19 Q. I'm sorry, sir.	19 talc file, right?
20 I'm asking you whether or not we can	20 A. Yes.
21 just apply plain English to the word	Q. Where was the old one put?
22 "substantially." Can we do that together?	A. Well, the old one we just looked at.
23 MS. SULLIVAN: Objection, your Honor.	Q. Yeah, right. It's present in the
24 It's lawyer argument.	24 courtroom right now. But did they not put it in the
25 THE COURT: Overruled.	25 Master talc file?
Page 51	Page 53
1 You can answer.	1 A. I don't see why they wouldn't.
1 ') A Wa con apply "cubetantially troo" and	
2 A. We can apply "substantially free" and	2 Q. This was not sent to the FDA,
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	D #4		
1	Page 54	1	Page 56
1	percentage, correct?	$\frac{1}{2}$,
$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$	A. On the first version they claimed a		2 lab in the world, we've heard?
3	percentage, on the	3	j j
4	Q. Now, they say	4	<u> </u>
5	A on the second version. They		5 right?
	dropped the word "percentages" and simply stated	6	
	well	7	•
8	Q. A few isolated crystals?	8	, E
9	A. Oh, in the conclusion, they say	9	
1	almost exactly the same thing. Are we	1	new study, don't you?
11	Q. That's fine. I was looking at the	11	
	front, but we can go to the conclusion. Here's the	12	· ·
1	conclusion from the first version, right?		3 do we?
14	A. Yes.	14	,
15	Q. Observed in both samples of less than		5 that came in on separate times.
	5 percent5 percent, correct?	16	· ·
17	A. Less than 0.5, yes.	17	, ,
18	Q. And then they take that out in the	18	
	second one and say, "a few tremolite rods were		two versions and the second one is backdated to the
1	observed in both samples," correct?	1) first, is it not?
21	A. Yes. They say almost the same thing,	21	, .
	substantially free of asbestiform minerals	1	2 front page date. But they're two separate reports.
23	MR. PANATIER: I'm going to object to	23	
	nonresponsive.	1	two separate reports, right, you wouldn't say, don't
25	THE WITNESS: Yes, correct.	25	5 use this report, you would have two separate
	Page 55		Page 57
1	Page 55 THE COURT: Overruled.	1	reports, correct, sir?
1 2		2	reports, correct, sir? A. Who is "they"? Who wrote, "do not
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2 3 4	THE COURT: Overruled. THE WITNESS: Correct. BY MR. PANATIER: Q. Sir, look under "light microscopy."	2 3 4	reports, correct, sir? A. Who is "they"? Who wrote, "do not use this report"?
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	THE COURT: Overruled. THE WITNESS: Correct. BY MR. PANATIER: Q. Sir, look under "light microscopy." Do you see there under "light microscopy"? You can either look on the board, if you want, it might be easier. A. No, I can see it. Q. In the revised version they say let's see "presence of tremolite and a few individual crystals were found, some rod shaped," right? A. Yes. Q. In the original, they actually give the percentages in each product, correct? A. Yes. On the second version they did it again and weren't able to confirm the percentages. They still stated that they found tremolite rods. Q. And they even sent in a letter to J&J saying, "here's our revised thinking, we couldn't confirm our percentages," right? A. Yes, they checked again and they could still see tremolite rods but could not confirm	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	reports, correct, sir? A. Who is "they"? Who wrote, "do not use this report"? Q. Sir, Johnson & Johnson wrote "do not use this report." You know that. A. Well, I don't know that. But someone wrote it. What I'm saying is that, you asked the question, were there are two separate reports, yes. Q. But this isn't two separate reports. It's represented to be the same report. Are they both titled "Examination of Johnson & Johnson's Baby Powder"? A. They are. Q. Are they both dated 27 October '72? A. They are. Q. Okay. And they both are reporting on the exact same two samples, 108 and 109T, correct? A. Yes. Q. And then one they're told, do not use, right? A. Yes. They did a second version, a second review, a second study, and issued a second
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Page 58 Page 60 1 Q. It's the same report, just backdated 1 Q. And just because you said "trace," 2 to replace the first. In fact, that's what these 2 going back to Battelle, we know that it appeared 3 anywhere from trace up to 3 percent, right? 3 words say, is it not? 4 MS. SULLIVAN: Objection, your Honor, 4 On some of those early Battelle 5 studies. 5 lawyer argument. THE COURT: Objection overruled. 6 Q. Right. We'll put that in the inbox. 7 7 Now, because we had that revised You can answer. 8 A. Sorry. I missed the question there. 8 report that was backdated -- and it was backdated, 9 was it not? Q. It's the same report to be replaced 10 by the first. In fact, it even says replaced by 10 A. I don't know. They both carry the 11 another version. It's not a -- this is not a second 11 same date. 12 report, is it? 12 Right. Even though -- even though Q. 13 the second version came later than October 27th, 13 A. It depends on how you define "second 14 report." There are two reports here, this one and 14 correct? 15 this one. 15 A. I don't know when the second You know the do not the use --Q. 16 version -- they both carry the same dates, but there 16 17 17 was -- they were -- the second report was a repeat A. Yes. 18 Q. -- stayed at Johnson & Johnson and 18 of the experiments. Johnson & Johnson actually took 19 19 you know the second one to the FDA, right? 20 The second one went to the FDA based 20 liberty to revise reports of its consultants for A. 21 on a second study. 21 them, did it not? 22 Q. If you'll go to the next document 22 A. Revise, I'm not aware of revising. 23 dated 10/27. That's it. That's it. You've got it. 23 You'd need to show me what you're talking about. I will. This is Exhibit 2848. And, 24 A. Okav. 24 25 Q. That's Exhibit 2417. It's two-sided. 25 sir. it is under the Tab 1976. June 2nd. It's Page 59 Page 61 1 okay. On the one side it says, "revise report just 1 probably in the third binder is going to be my 2 guess. Let me help you. Yeah, it will be right 2 received," right? 3 A. Yes, uh-huh. 3 there. There it is right there. Got it? And on the other side there's a note 4 A. (No response.) 4 O. 5 5 from Nashed to Dr. Goudie, right? O. Okay. THE COURT: What was the date on A. Yes. 6 7 7 that? Q. And Nashed says, "I thought tremolite 8 was mistakenly identified in view of similarity to 8 MR. PANATIER: June 2nd, 1976. 9 sodium sesquihydrate," another chemical, correct? 9 BY MR. PANATIER: 10 A. Yes. 10 Okay. Sir, if you could turn --And Al Goudie writes back, "There are 11 there's some handwriting on the cover of that 11 O. 12 trace quantities present confirmed both by McCrone 12 document, right --13 and Bill Ashton." 13 Yes. A. 14 14 Now, Bill Ashton was Johnson & Johnson, -- on the first page? 15 right? 15 And then there's a report on the second page 16 dated June 2nd, 1976. Do you see that? 16 A. 17 Q. "Levels are extremely low but 17 Α. Yes. 18 occasionally can be detected optically." This is 18 Okay. And that is a letter from Gene 19 not new, right? 19 Greiger to Walter McCrone, correct -- or to, I'm 20 20 sorry, to Johnson & Johnson, correct? A. Yes. 21 21 A. Yes. Yeah. And you and I know the issue of 22 tremolite in the baby powder was not new; it was 22 MR. PANATIER: We offer this into 23 quite old by this point, correct? 23 evidence, your Honor. 24 Yes. This could be trace tremolite, 24 MS. SULLIVAN: No objection. 25 THE COURT: So admitted. 25 yes.

Page 62 Page 64 1 (Plaintiff's Exhibit 2848 was moved 1 Q. They generated a report for Johnson & into evidence.) 2 Johnson. Somehow Bill Ashton finds out about it, 2 3 BY MR. PANATIER: 3 tells them to delete the second paragraph, correct? So let's turn to the second page that Well, I'm not going to speculate 4 4 5 has ---5 what -- any chain of events. O. Well, it says it right there, right? THE COURT: I'm sorry. And what's 6 7 A. This document says nothing more than 7 the marking on this? 8 MR. PANATIER: Yes, your Honor, this 8 what it says. 9 is 2848. Don't you agree it's pretty clear, Q. 10 THE COURT: Thank you. 10 note from Bill Ashton, "About 6-2-76 reports, delete 11 second paragraph, first and third okay"? That seems 11 BY MR. PANATIER: 12 pretty clear to me. 12 So let's turn to the second page 13 which is the sample. And this is just a sample that 13 A. Yeah, whether that actually happened, 14 was run by McCrone. They sent their results to J&J, 14 I don't know. 15 right? 15 O. I do. So let's go to the next 16 A. 16 document. It's dated -- go to August 18, 1976. Let Yes. 17 Okay. And they're looking at a talc 17 me see. Actually, it may have the same date. It Q. 18 sample. I don't think they identify what the 18 may have the same date. Yes, it's this one right 19 here. Sorry. 19 samples are. 20 A. 20 This is dated August 18, 1976, No. 21 Q. 21 correct? But you can see there's some detail 22 in the middle paragraph about those samples. They 22 A. Yes. 23 found some talc ribbons. They said found one fiber 23 It's from Gene Grieger to Johnson & Q. 24 which was not asbestiform, probably talc and they 24 Johnson to Bill Ashton? 25 summarized their results, right? 25 MS. SULLIVAN: May I have a copy, Page 63 Page 65 1 Counsel? 1 A. Yes. Q. Okay. And then they -- on the next 2 MR. PANATIER: Oh, I'm so sorry. 3 pages they take photomicrographs, they take 3 Here it is. Yeah, here you go. That's yours. 4 pictures? 5 BY MR. PANATIER: 5 A. They do. Was McCrone an independent company? It's Exhibit 2849. Have you had a 6 Q. 6 Q. 7 7 chance to look at that? A. Yes. 8 A. 8 Right. Could they be influenced by Yes. Q. 9 Johnson & Johnson? 9 Q. Okay. And it has the Johnson & 10 A. I don't believe so. 10 Johnson Bates Stamp on it, correct? There's some of the -- there's some 11 11 O. 12 of the pictures they sent along. 12 MR. PANATIER: We offer this into Now, let's go to the cover, right? 13 evidence, your Honor. 14 You see the front page, "note from Bill Ashton"? 14 MS. SULLIVAN: No objection, your 15 Now he's Johnson & Johnson, right? 15 Honor. 16 THE COURT: Admitted. 16 A. Yes. 17 Q. Okay. I'll put our list of folks up 17 (Plaintiff's Exhibit 2849 was moved 18 here. "About 6-2-76 reports, delete second 18 into evidence.) 19 paragraph, first and third only," right? Right? 19 BY MR. PANATIER: 20 Signed "Gene," that's Gene Grieger, right? 20 So here's the report. You see where 21 it says, "using TEM we examine 13 samples of talc 21 A. Yes. 22 for asbestiform minerals submitted with your letter 22 Q. And then there's a note that says, 23 dated 5, April '76"? 23 "done," right? 24 A. That's what it says, here, yes, 24 A. Yes. 25 25 handwritten. Q. And this they were designated 1976 1

		Page 66		Page 68
1	through 1	3	1	& Johnson to delete the second paragraph?
2	A.	Yes.	2	A. Yeah, I don't know.
3	Q.	right?	3	Q. Because this one has the Johnson &
4	Now	, let's go to the original report. Do	4	Johnson Bates Stamp, right?
5	you see th	ne paragraph here? It's the identical	5	A. Yes.
6	first parag	graph.	6	Q. Either way, wherever I got it
7	A.	Yes.	7	MS. SULLIVAN: Your Honor, just for
8	Q.	And then the middle paragraph is	8	completeness, if Counsel can show the second page of
9	gone, cor	rect?	9	the document with the Johnson & Johnson Bates Stamp
10	A.	Yes.	10	on it.
11	Q.	And the conclusions, the conclusions	11	THE COURT: Counsel.
12	are		12	MR. PANATIER: Sure.
13	A.	The same.	13	Second page of this one?
14	Q.	The same?	14	MS. SULLIVAN: Right here.
15	A.	Didn't find any asbestiform minerals.	15	MR. PANATIER: That's not a Johnson &
16	Q.	Right. But per Johnson & Johnson's	16	Johnson's Bates Stamp.
17	instructio	n, they deleted the entire middle part of	17	BY MR. PANATIER:
18	their repo	rt, right?	18	Q. That JOJOMA2546 is the McCrone
19	A.	Well, both	19	Bates Stamp. But, anyway, you see the Bates Stamp
20	Q.	Sir, can you answer the question,	20	and there's the J&J Bates Stamp?
21	please?		21	Bottom line is, wherever I got it
22	A.	Yes. I mean, the second version	22	THE COURT: Excuse me.
23	which car	ne two months later is a condensed version,	23	MR. PANATIER: I'm sorry.
24	yes.		24	MS. SULLIVAN: Your Honor, I just
25	Q.	Sir, here's my question	25	THE COURT: Counsel, let's have a
		Page 67		Page 69
1	A.	So the answer is, yes.		discussion at sidebar.
2	Q.	Yes. Johnson & Johnson told them to	2	(Sidebar.)
	Q. delete a p	Yes. Johnson & Johnson told them to arragraph and they did it and they reissued	2 3	(Sidebar.) THE COURT: I have no issue with
2 3 4	Q. delete a p	Yes. Johnson & Johnson told them to paragraph and they did it and they reissued ort, right?	2 3 4	(Sidebar.) THE COURT: I have no issue with discussions at Counsel table, but they're little bit
2 3	Q. delete a p their repo	Yes. Johnson & Johnson told them to paragraph and they did it and they reissued ort, right? Well, there are two reports.	2 3 4 5	(Sidebar.) THE COURT: I have no issue with discussions at Counsel table, but they're little bit too loud and they're getting picked up. Okay.
2 3 4 5 6	Q. delete a p their repo	Yes. Johnson & Johnson told them to paragraph and they did it and they reissued port, right? Well, there are two reports. And this is Bill Ashton, right, to	2 3 4 5 6	(Sidebar.) THE COURT: I have no issue with discussions at Counsel table, but they're little bit too loud and they're getting picked up. Okay. MS. SULLIVAN: I object to the
2 3 4 5 6 7	Q. delete a p their repo A. Q. Bill Ashte	Yes. Johnson & Johnson told them to baragraph and they did it and they reissued bort, right? Well, there are two reports. And this is Bill Ashton, right, to born and it was Bill Ashton who called and	2 3 4 5 6 7	(Sidebar.) THE COURT: I have no issue with discussions at Counsel table, but they're little bit too loud and they're getting picked up. Okay. MS. SULLIVAN: I object to the misrepresentation. It says "JOJ" on it.
2 3 4 5 6 7 8	Q. delete a p their repo A. Q. Bill Ashte said, "del	Yes. Johnson & Johnson told them to baragraph and they did it and they reissued ort, right? Well, there are two reports. And this is Bill Ashton, right, to on and it was Bill Ashton who called and ete the second paragraph," right?	2 3 4 5 6 7 8	(Sidebar.) THE COURT: I have no issue with discussions at Counsel table, but they're little bit too loud and they're getting picked up. Okay. MS. SULLIVAN: I object to the misrepresentation. It says "JOJ" on it. THE COURT: Hold on, hold on. And
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	Page 70		Page 72
1	Q. Just so we can be clear on where	1	record.)
2	these documents come from. You see that Bates Stamp	2	Q. In fact, 2546 on the document I
3	JOJOMA2546, right?	3	showed you, do you see that?
4	A. Yes. Yes.	4	A. Yes.
5	Q. I'm just going to show the Court an	5	Q. It's right here 2546?
6	affidavit from McCrone. Do you see that, "My name	6	A. Yes.
7	is David Wiley. I am of sound mind"	7	Q. And it say there's 1,561 pages in the
8	MS. SULLIVAN: Your, Honor, I'm going	8	sequence, right?
9	to object because I haven't been shown the	9	A. Yes.
10	affidavit. I don't know what he's putting on the	10	Q. And this is number 1,410, right?
11	screen.	11	A. Yes.
12	MR. PANATIER: She just asked me to	12	Q. This came from McCrone
13	do it.	13	A. Okay.
14	MS. SULLIVAN: The practice is	14	Q right, not Johnson & Johnson?
15	usually to show it to	15	A. Okay.
16	THE COURT: Show it to Counsel.	16	Q. But going back to my point which
17	MS. SULLIVAN: No objection, your	17	wasn't about where it came from.
18	Honor.	18	My point is even if this stayed in
19	THE COURT: Continue.	19	Johnson & Johnson's files, right, the report that
20	BY MR. PANATIER:	20	was ultimately generated was missing the middle
21	Q. You see how this says, "I'm David	21	paragraph per Johnson & Johnson's instructions; is
22	Wiley. I am one of the custodians of records from	22	that right? Can we agree on that?
23	McCrone & Associates." Do you see that?	23	A. The report was ultimately generated,
24	A. Yes.	24	did not include the middle paragraph.
25	Q. It says that they were served with a	25	Q. Alright. Do you know how many other
	D 71		
	Page 71		Page 73
1	subpoena to produce documents. Do you see that?		reports generated by its consultants, these
2	subpoena to produce documents. Do you see that? A. Yes.	2	reports generated by its consultants, these apparently independent people that's been said, how
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Page 74 Page 76 1 can -- do you mind if I help you find it, because I 1 Johnson's definitions, if it's fibrous, right, 2 know what it looks like. 2 fibrous versions of the amphiboles including A. Yeah. It's in the binder. 3 tremolite it's asbestos, right? Okay. It probably is, yeah. Here it 4 If it's in the fibrous form, it could 4 Q. 5 be asbestos. 5 is. There you go. So, sir, if you will turn please to Q. Okay. And he found --6 7 the page at the top marked 670 -- you know what, I 7 A. They tested in the fibrous form as 8 think of a lot them are marked 679. It's not the 8 opposed to a fiber. 9 page number. It's the -- again, we have this issue Okay. And by light microscopy he Q. 10 of the FDA not numbering pages. It's about the 10 found 107 of them, right? 11 fifth page in, sir. Have you found that? He found 107 fibers, yes. 11 A. 12 12 A. Yes. Q. Fibers, right? 13 O. 13 But he doesn't say they're asbestos Okay. Okay. So we know sample 84, 14 because we just talked about it with Lewin, was 14 fibers. He doesn't describe them as fibrous, which 15 Shower to Shower, right? 15 would make them asbestos, according to the J4-1 16 A. Yes. 16 definition. 17 17 According to the industry definition O. And we know that the FDA confirmed Q. 18 that there was tremolite actinolite in sample 84, 18 that came out three years after this, right? It's a microscopic -- microscopist 19 true? 19 20 20 definition to -- if you're going to describe A. Tremolite actinolite, yes. 21 O. Right? It says it right there. It 21 asbestos --22 says that, sample 84 contained a 107 fibers of 22 MR. PANATIER: I'm going to object to 23 tremolite actinolite per gram, right, or per 23 nonresponsive. Move to strike. 24 24 milligram? MS. SULLIVAN: Your Honor, I'm going 25 Yes, tremolite actinolite, yes. 25 to object to interrupting his answer. That was A. Page 77 Page 75 Q. Okay. And you and I can do the 1 responsive. 1 2 simple math on this, right? There are -- if it's 2 THE COURT: I'm going to strike that 3 107 fibers -- by the way, 107 fibers would be 3 response and instruct the witness to please listen 4 fibrous, can we agree? 4 to the question being asked and only answer that 5 A. No, we can't agree unless you own a 5 question. 6 microscope. 6 One more time. 7 We can't agree that 107 fibers is not 7 BY MR. PANATIER: 8 fibrous, sir? Are we still having this argument? J4-1, which came out three years 8 Q. 9 A. Yes. 9 after this, right? 10 Q. Okay, alright. 10 A. Yeah, the final version, three 11 107 fibers in a milligram, right? 11 years -- I think it's three years. Yeah, three 12 A. Yes. 12 years later. 13 A milligram -- how many milligrams Q. 13 Why would an analyst for the FDA be 14 using a version that wasn't even invented yet, sir? 14 are there in a gram? 15 A thousand. 15 A. A version of J4-1? A. A method that hadn't been invented 16 Q. There's a thousand. 16 Q. 17 So, if we wanted to know what it is per 17 yet. 18 gram, we have to multiply this times a thousand, 18 A. I don't know. But it was -- it was 19 correct? Do we want to know what it is per gram? 19 certainly in process development at that time. 20 A. Yeah, 107,000. 20 He would -- and I'm not being 21 Q. And it's tremolite, right, tremolite 21 hyperbolic here. It might sound like it. But he 22 would literally need a time machine to go and use a 22 actinolite, right? 23 Yes. It doesn't say asbestos. It's 23 method that hadn't been invented yet, right? 24 just described as tremolite actinolite. 24 MS. SULLIVAN: Objection, lawyer 25 Okay. Well, according to Johnson & 25 argument.

D 70	D 00
Page 78 1 THE COURT: Counsel, let's	Page 80 1 Q. Signed by John Stewart, right?
2 MR. PANATIER: Okay.	2 A. Yes.
THE COURT: get this back on	3 Q. Now, last week Counsel for Johnson &
4 track.	4 Johnson suggested that this was the actual analysis
5 MR. PANATIER: Yes, your Honor.	5 for Shower to Shower.
6 BY MR. PANATIER:	6 Did you know that Counsel for Johnson &
7 Q. So we've got what he finds.	7 Johnson did that?
8 Now, last week this is Defense	8 A. No.
9 Exhibit 7873. It's in evidence. We saw this.	9 Q. Okay. This couldn't have been the
10 Counsel for Johnson & Johnson showed this	10 analysis for Shower to Shower sample 84, could it
11 document to Dr. Weber.	11 have?
Have you seen this document before? It's	12 A. Well, that's dated sorry, remind
13 not in there. This is a Defense exhibit.	13 me, September '74.
14 A. I think I have, yes.	14 Q. And this says as of, right here, as
Q. Okay. Do you see that up at the top,	15 of December 21st, 1973 samples, Lewin's
16 there's a sample numbered 084-802H, right?	16 identification 84 were analyzed for mineral content,
17 A. Yes.	17 correct?
18 Q. Do you know what sample 084-802H is?	18 A. Yes.
19 A. No.	19 Q. So sample 84 Shower to Shower had
Q. Do you have any idea?	20 been analyzed ten months before whatever this is was
21 A. No.	21 sampled, correct?
Q. In fact, under "product" it says,	A. Well, before that report was done.
23 "Johnson's Baby Powder," right?	23 Q. Right.
A. That's what someone's written.	A. That may have been a second version
25 Q. Right. And then here it's crossed	25 of the first one. I don't know. I'm not going to
Page 79	Page 81
1 out. It says "J&J baby PROD," maybe, product. Seal	1 speculate. There's a ten-month difference.
2 date 6 or 8/8/74, right?	2 Q. Is there ten months between
3 A. Yes.	3 December 1973 when they say they did the analysis on
4 Q. So the seal on it had a date,	4 sample 84 and this sample which is identified as
5 August 8th, '74, right?	5 "baby powder" in September of '74?
6 A. I don't know whether the seal is on	6 A. Well, there's ten months' ten
7 the product or that was the bag it came in. I don't	7 months' difference.
8 know.	8 Q. And I think I might have said
9 Q. Yeah, right. We don't know what the	9 December '74 December '73, right?
10 seal was on, right?	10 A. Yes, ten months' difference.
11 A. What seal was, no.	11 Q. You have no basis to say that this
12 Q. Okay. But it says, "Johnson's Baby	12 count sheet shown to the jury last week is Shower to
13 Powder" and then the sample is "084-802H."	13 Shower, do you?
You told us you don't know what sample that	14 A. I don't have that basis unless there
15 is or if it's just the designation for this sample,	15 is other documentation to validate it.
16 correct?	16 MR. PANATIER: This will be
17 A. Correct.	17 Exhibit 3441, your Honor.
18 Q. You have no basis to say that this	18 THE COURT: Thank you.
10 01 01	19 MR. PANATIER: Yes, your Honor.
19 was Shower to Shower, not Johnson's Baby Powder as	7.3
20 is written here, correct?	20 BY MR. PANATIER:
20 is written here, correct?21 A. Not without information, no.	20 BY MR. PANATIER: 21 Q. Here you go, Doctor. Do you see that
20 is written here, correct? 21 A. Not without information, no. 22 Q. Right. And let's look at the bottom.	20 BY MR. PANATIER: 21 Q. Here you go, Doctor. Do you see that 22 this is it says, "Italian medicated Grantham talc
20 is written here, correct? 21 A. Not without information, no. 22 Q. Right. And let's look at the bottom. 23 This sample was reported September 18th, 1974. Do	20 BY MR. PANATIER: 21 Q. Here you go, Doctor. Do you see that 22 this is it says, "Italian medicated Grantham talc 23 from R. Rolle's files"?
 20 is written here, correct? 21 A. Not without information, no. 22 Q. Right. And let's look at the bottom. 	20 BY MR. PANATIER: 21 Q. Here you go, Doctor. Do you see that 22 this is it says, "Italian medicated Grantham talc

Page 82	Page 84
1 A. Yes.	1 A. Yeah, fiber or rod, yes.
2 Q. At J&J, right?	2 Q. Right. And you can see that it
3 A. (No response.)	3 says
4 Q. And do you see on the next page the	4 MS. SULLIVAN: Your Honor, just in
5 Bates Stamps? These are J&J Bates Stamps, right?	5 the interest for the sake of completeness, if I
6 A. Yes.	6 can have the third line down on that document read
7 Q. These are handwritten notes, correct?	7 to the Jury.
8 A. Yes.	8 Q. "No crinkled fibers or small bundles
9 Q. And just so we get our bearings,	9 of chrysotile asbestos were observed."
10 they're entitled, "Lewin samples of Shower to Shower	10 MS. SULLIVAN: Thank you.
11 August 10, 1972," right?	11 Q. He found tremolite, he didn't see
12 A. Yes.	12 chrysotile?
13 MR. PANATIER: We offer these into	13 A. He found, yeah, tremolite described
14 evidence.	14 as rods, fiber rod, yeah.
MS. SULLIVAN: No objection.	15 Q. And he's using plain polarized light,
16 THE COURT: Admitted.	16 right?
17 (Plaintiff's Exhibit 3441 was moved	17 A. (No response.)
18 into evidence.)	18 Q. If you look down paragraph starting
19 BY MR. PANATIER:	19 "observations"?
Q. Alright. You see it's, "Italian	20 A. Yes. Yes, he was using polarized
21 medicated Grantham talc," right, on the cover?	21 light microscopy, yes.
A. Yes, there are three products there,	Q. Okay. And so that's the same method
23 Italian talc, medicated talc and Grantham talc.	23 that was discussed in the Lewin meeting that the FDA
Q. And then there are some handwritten	24 had with Dr. Lewin that he would confirm with
25 notes about Lewin's samples of Shower to Shower,	25 polarized light, right, or optical microscopy,
Page 83	Page 85
1 August 10, 1972.2 This is an internal document, correct?	2 A. Well, this states polarized light
3 A. Yes.	3 microscopy.
4 Q. About one fiber or of I don't know	4 Q. And that is optical microscopy?
5 whether that says "or"	5 A. There are two kinds of optical
6 But "about one fiber or rod/needle every 500	6 microscopy.
7 particles," correct?	7 Q. PLM?
8 A. Yes, there's a rod every 500	8 A. PLM and just the regular one that you
9 particles, yes.	9 have at school, yeah.
Q. Well, one fiber or rod/needle, right?	10 Q. Right.
11 A. Yes.	11 A. Yeah.
12 Q. And about one-third of these are	12 Q. Is Rolle using optical microscopy?
13 tremolite, two-thirds are roll talc or talc shards,	13 A. He's using optical microscopy,
14 right?	14 polarized light
15 A. Yeah, you read what is written.	15 Q. Right.
16 Q. So Dr. Rolle so this is Shower to	16 A microscopy.
17 Shower, sample 84 Lewin. This here was the FDA.	Q. And just like Dr. Lewin, he doesn't
18 And then Rolle, I think, we have him on our list	18 see any chrysotile with it, does he?
19 here.	19 A. No.
20 Yeah, Robert Rolle, Assistant	Q. Okay. But he does see tremolite as
21 Director Analytical Research, right?	21 he describes it, "fiber" or "rod/needle," right?
22 A. Yes.	22 A. Yes.
Q. Okay. In the same sample, Lewin	Q. "One every 500 particles," true?
24 Shower to Shower, he identifies "fiber rod/needle	A. On that particular sample is what he
25 one per 500 particles," right?	25 sees, yes.

	Page 86	Page	e 88
1	Q. Okay. And I think this is this is	1 the last page, they also looked at their own	C 00
2	perhaps illustrative for us. It says, "particle	2 retained samples of Shower to Shower. Do you se	ee
3	density."	3 that?	
4	So he's looking at a very small area, right?	4 A. I do, yes.	
5	A. Yes.	5 Q. Right. So they have so they had	
6	Q. And that's an 18 square millimeter	6 it looks like from February of '70 through August	of
7	area, right?	7 1971, right?	
8	A. Yes.	8 A. Yes. They report trace tremolite.	
9	Q. So what would you say, is that a	9 Q. And, again, he says, "no chrysotile	
	little bit more than four millimeters by four	10 observed," true?	
	millimeters, something like that, that would get us	11 A. Yes.	
1	to 16?	Q. But he has 1, 2, 3, 4 results where	
13	A. No 18 millimeters square, means 18	13 he identifies tremolite, correct?	
	millimeters by 18 millimeters.	14 A. Trace tremolite, yes.	
15	Q. I don't think it does.	15 Q. Yeah. Did this go to the FDA?	
16	A. No. 18 square millimeters would be 6	16 A. I don't know. This is someone's	
	by 3.	17 handwritten notes. It may well have gone into a	
18	Q. Right. That's what he's looking at.	18 typed-up report. But this is just handwritten	
19	A. No, it isn't. He's looking 18	19 notes.	
	millimeters square, which is a grid square.	MR. PANATIER: Your Honor, I'm mov	ving
21	Q. Okay. So you're saying he's looking	21 on to another topic, if you we like to do a break	
23	at 18 by 18, right? A. Well, that's what I'm reading, yes.	22 now. 23 THE COURT: This would be a good	
24	A. Well, that's what I'm reading, yes.Q. Okay. I'm not going to argue about		
	whether it was 18 square or 18 square millimeters.	24 time. Thank you. 25 Members of the Jury, we're going to	
23		,, ,	
		Page	~ 00
1	Page 87	_	6 9
1	We know it was a small area, right?	1 take a 15-minute break. Please remember all the	e 89
2	We know it was a small area, right? A. Yes.	1 take a 15-minute break. Please remember all the 2 instructions I've provided to you. No discussions	
2 3	We know it was a small area, right? A. Yes. Q. And he said that there were 125,000	1 take a 15-minute break. Please remember all the 2 instructions I've provided to you. No discussions 3 with regard to this case including testimony you've	re
2 3 4	We know it was a small area, right? A. Yes. Q. And he said that there were 125,000 particles in that area, right?	 take a 15-minute break. Please remember all the instructions I've provided to you. No discussions with regard to this case including testimony you've heard this morning. Please be ready to be back up 	re
2 3 4 5	We know it was a small area, right? A. Yes. Q. And he said that there were 125,000 particles in that area, right? A. Yes.	1 take a 15-minute break. Please remember all the 2 instructions I've provided to you. No discussions 3 with regard to this case including testimony you've 4 heard this morning. Please be ready to be back up 5 here be ready to come back up at five of. No	re
2 3 4 5 6	We know it was a small area, right? A. Yes. Q. And he said that there were 125,000 particles in that area, right? A. Yes. Q. And that one of every 500 was	1 take a 15-minute break. Please remember all the 2 instructions I've provided to you. No discussions 3 with regard to this case including testimony you've 4 heard this morning. Please be ready to be back up 5 here be ready to come back up at five of. No 6 research of any kind whatsoever. Thank you.	re
2 3 4 5 6 7	We know it was a small area, right? A. Yes. Q. And he said that there were 125,000 particles in that area, right? A. Yes. Q. And that one of every 500 was tremolite, right?	1 take a 15-minute break. Please remember all the 2 instructions I've provided to you. No discussions 3 with regard to this case including testimony you've 4 heard this morning. Please be ready to be back up 5 here be ready to come back up at five of. No 6 research of any kind whatsoever. Thank you. 7 And then at five of just be	re O
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Page 90 Page 92 A. There was a company called RT 1 this part down below. "Only a couple broader 1 2 aspects were made reasonably clear. One, Johns 2 Vanderbilt, but sold -- I think they owned a talc 3 mine in New York State, yes. 3 Manville. Now Johns Manville was a pretty Okay. So they were a company that 4 well-known asbestos miner manufacturer of products 4 5 was selling talc, right? 5 right? Yes. A. 6 A. I've heard of them, yes, yes. 7 7 Q. Q. Okay. And you're aware that they "Johns Manville is going to take the 8 were claiming that the tremolite in their talc was 8 position that tremolite is an asbestos mineral and 9 not asbestos or nonasbestiform, right? 9 they will not go along with the type of science 10 I'm not familiar with RT Vanderbilt. 10 which Vanderbilt has been indicating aimed at 11 I know that they had talc mine in New York State. 11 confusing the mineralogy of talc." Right, isn't 12 Johnson & Johnson never used it. But I'm aware that 12 that what Mr. Ashton wrote there? 13 they did have a talc mine. 13 A. You've read what was written. 14 14 MR. PANATIER: Okay. This is Q. That Vanderbilt tried to confuse the 15 Exhibit 2450. 15 mineralogy of talc, true? And if you would turn to April 13th, Well, that was Vanderbilt's --16 Q. 16 A. 17 1973 in your binder. This is a document I've shown 17 whatever Vanderbilt were doing, yeah. 18 you before. 18 Q. Okay. 19 THE COURT: I'm sorry, Counsel, 19 A. I can't speak for Vanderbilt. 20 20 what's the date? Q. We're going to go from that document 21 21 to the next one. MR. PANATIER: April 13, 1973, your 22 Honor. 22 The next one is dated April 24th, which is 23 23 11 days later. And this is Exhibit 2452. So THE COURT: Thank you. 24 BY MR. PANATIER: 24 April 24th is what you're looking for, sir, 1973. 25 25 You found that? O. You found that, sir? Page 91 Page 93 A. 1 A. Yes. 1 Yes. 2 2 Okay. And that is Plaintiff's Q. Okay. This is a Johnson & Johnson Q. 3 memo with the date I've just stated, correct? 3 Exhibit 2452. This is another J&J memo, right? 4 Yes. 4 A. Yes. A. 5 From Bill Ashton, right? 5 MR. PANATIER: Okay. We offer this O. 6 6 into evidence, your Honor. 7 7 MR. PANATIER: I'm going to offer MS. SULLIVAN: No objection. 8 this into evidence your Honor 2450. 8 THE COURT: So admitted. 9 MS. SULLIVAN: No objection. 9 (Plaintiff's Exhibit 2452 was moved 10 THE COURT: So admitted. 10 into evidence.) 11 (Plaintiff's Exhibit 2450 was moved 11 days later this is a memo from 11 Q. 12 into evidence.) 12 Mr. Nashed, right? 13 BY MR. PANATIER: 13 A. Yes. "I attended a meeting with talc "Mr. Norwood said he followed my 15 manufacturers which R. Bacon of Vanderbilt called 15 advice to adopt the attitude that Pfizer is there to 16 see what they can do to help FDA in methodology. He 16 had his New York offices yesterday." So Johnson & Johnson met with RT Vanderbilt, 17 also followed my advice and did not mention that he 17 18 had been talking to Johnson & Johnson." 18 right? 19 19 And by the way, sorry, I didn't read this at A. Yes. 20 first. "I talked with Mr. Norwood of Pfizer." So 20 Q. Vanderbilt's idea was to try to 21 elicit and unify presentations, which talc firms 21 that's who that is, right? 22 might present to the US Bureau of Mines at the Talc 22 It appears to be, yes. 23 Safety Symposium scheduled for May 8th in Washington 23 Yeah. On the phone today to touch 24 base on their current activities in their views of 24 D.C. 25 25 Vanderbilt and the Bureau of Mines Meeting." And the part I'm interested in is

Page 94 Page 96 1 A. No. You have read what is written. 1 Alright. So sorry I didn't give us that framework, 2 Q. 2 but now we have it. Let's go to the next one. This A. Yes. 3 should be May 2nd, 1973. So this is a couple weeks 4 later. This is Exhibit 2455, May 2nd, 1973, sir. Q. He said that, "subsequent to the 5 Let me know when you've found that. 5 meeting they have been informed by Sherwin Williams Yeah, we've got it. Yeah, we're 6 that they will discontinue use of New York talc 7 there. 7 because of their feeling that tremolite may be a 8 problem, i.e., Vanderbilt's story was not accepted." 8 Q. Got it? Okay. 9 Do you see that? 9 Yeah. Α. 10 A. Yes. Yes, you read what is written. 10 Q. Another J&J memo, right? 11 A. 11 Q. "Bureau of Mines Meeting. Mr. 12 Norwood expressed the view that Vanderbilt is acting 12 O. This one is from Nashed again, right? 13 very rationally in raising the question on talc 13 A. 14 MR. PANATIER: We offer Exhibit 2455 14 safety and he agreed that they are desperate if they 15 into evidence. 15 lose their tremolite is safe argument. They will be MS. SULLIVAN: No objection. 16 16 out of the talc business and, therefore, would not 17 be interested in defending safety of talc, per se. 17 THE COURT: Admitted. 18 (Plaintiff's Exhibit 2455 was moved 18 He felt that questions on safety of talc fibers 19 other than tremolite could reflect on the whole talc 19 into evidence.) 20 BY MR. PANATIER: 20 industry. He thought Vanderbilt's defense of 21 This is a meeting between Johns 21 tremolite is very weak and that the meeting at the O. 22 Bureau of Mines is bound to raise problems for the 22 Manville and J&J, right? 23 23 talc industry. Therefore, they've decided to avoid A. Yes. 24 all involvement with Vanderbilt." 24 Q. Okay. "The Johns Manville group 25 agreed with us that the efforts by Vanderbilt were 25 You're aware that Vanderbilt was Page 97 Page 95 1 somewhat unsophisticated and, in general, they 1 trying to argue that the tremolite in their talc was 2 not an issue, correct? 2 expect that the Bureau of Mines will adopt the Well, I can't speak for Vanderbilt. 3 asbestos standards for tremboletic talc and fibrous 4 They're a separate company. But you read what was 4 talc. Fibrous talc, according to the ACGIH it's 5 written. 5 talc containing asbestos." Okay. And you can see that there's O. They were trying to say that their 7 tremolite was not asbestos, correct? 7 several presentations that are given, right? 8 A. Well, you read what is written. And Yes. 9 again, I'm not speaking for Vanderbilt. They're a 9 Q. Okay. "We," that's Johnson & 10 separate company and this quotes what they were 10 Johnson, right? 11 A. 11 saying. 12 Q. Okay. Dr. Nashed reports, "I called 12 O. "We told the Johns Manville group 13 Pfizer today to determine FDA's attitude toward 13 that our efforts have been mainly directed to the 14 microscopy. Mr. Stanley, Mr. Norwood's associate, 14 FDA on cosmetic uses of talc. We outlined in the 15 said that the FDA microscopist was of the opinion 15 status of the safety of cosmetic talc." 16 16 that optical microscopy was not suitable as a And they go through what they have done and 17 control method." 17 some of which you and I have discussed, correct? 18 Now, sir, this is April 24, 1973. 18 A. Yes. 19 This is right around the time that Lewin's second 19 Q. Okay. Let's go to the last page. 20 report is coming out, a confirmation of his results 20 "They saw no chance of success for Vanderbilt 21 using optical microscopy, correct? 21 claiming tremolite not to be asbestos," right? 22 22 It describes the word "optical A. You read what is written. 23 microscopy." It doesn't break it down as to 23 That's 1973, 46 years ago, right? Q. 24 polarized or regular. 24 A. Yes, that's what -- that's what Johns 25 Manville stated. 25 Well, and neither does this, does it?

Page 98 Page 100 1 Q. Right. Vanderbilt was trying to 1 of Johnson's Baby Powder"? 2 claim that tremolite was not asbestos and they saw 2 A. Yes. 3 Q. It says "25 samples of Johnson's Baby 3 no chance of success for them doing that, right? Johns Mansville stated they saw no 4 Powder representing retained samples." 4 5 chance of success for Vanderbilt claiming tremolite Those are samples, by the way, that are held 6 not being asbestos. 6 back by the company in case they want to look at 7 For the past two days whenever I have 7 what was in a certain lot at a certain time, 8 correct? 8 shown you a reference to fibers of tremolite, 9 needles of tremolite, rods of tremolite, you said 9 "A retained sample" is one you hold A. 10 that's not asbestos, haven't you? 10 back in case there is a question on it, if someone 11 said it irritated my skin or whatever. You keep it 11 Unless -- unless it's proven to be in 12 in the -- in a cupboard until you don't need it. 12 the asbestiform version, you cannot say that the 13 tremolite when it's described as rods is asbestos. You can go back and look at it? 13 Q. MR. PANATIER: Your Honor, I object 14 A. 14 Yeah. 15 to nonresponsive. 15 0. "Retained samples from both ESDP" --16 and what does "ESDP" stand for? THE COURT: Objection sustained. 16 17 MR. PANATIER: Move to strike. 17 It stands -- it's the place where 18 they manufactured -- Eastern Surgical Dressings 18 THE COURT: Stricken. 19 Plant, just down the road here. 19 BY MR. PANATIER: 20 Sir, for the past two days anytime 20 O. "Both ESDP and Chicago facilities 21 I've shown you a needle, fiber, fibers or rods of 21 were examined microscopically by the dispersion 22 tremolite you said it's not asbestos; is that 22 staining technique for the presence of tremolite. 23 correct? 23 Four of these samples are suspected of containing 24 24 tremolite based on the finding of 1 or 2 fibers per A. Yes, that is correct. 25 25 sample, which satisfy the color/morphology Q. Thank you, sir, okay. Page 99 Page 101 1 criteria." 1 Next document is going to be 2 April 27th -- I'm sorry, April 19th -- yeah, 2 Now, they're just looking for 3 April 19, 1973. This is Exhibit 2451. 3 tremolite, right? 4 Yeah, that would appear to be what 4 Have you found that one, sir? 5 the memo is about. 5 A. Yes. Alright. And do you see that that is O. It doesn't say they're looking for O. 6 7 tremolite asbestos, right? 7 a memo from David H. Hammer to Rolle and then it's 8 A. No, it's just -- the memo states what 8 marked out and they marked in someone else's 9 it states. 9 initials, right? 10 A. Yes. 10 Q. But according to you, the presence of 11 tremolite is not a problem, it's tremolite asbestos Okay. That's a Johnson & Johnson 11 Q. 12 that's the problem? 12 memo, true? Tremolite asbestos would be a 13 A. 13 A. 14 problem. 14 Q. It's CC'd to about nine people? 15 15 Q. Is tremolite a problem? A. Yeah. 16 A. It's asbestos, no. 16 Q. Right? 17 MR. PANATIER: Your Honor, we offer 17 O. But yet here in 1973 they're 18 investigating the retained samples for tremolite, 18 Exhibit 2451 into evidence. 19 MS. SULLIVAN: No objection. 19 right? 20 20 Right, appears to be, yes. THE COURT: Admitted. Α. 21 21 (Plaintiff's Exhibit 2451 was moved Q. Not a problem, right? 22 The microscopist is looking at those 22 into evidence.) A. 23 samples. 23 BY MR. PANATIER: 24 Sir, do you see that this is 24 Q. Okay. So those are the samples and 25 let's look at the results. This will be April 27, 25 "dispersion staining examination of retained samples

D 100	D 104
Page 102	Page 104 1 So they are amphibole particles that they found,
1 '73. It's likely the next document in your folder.2 It's Exhibit 2454.	1
	2 right? 3 A. They're amphiboles, yes.
	1 , 3
4 Q. Do you see that?	4 Q. They are from between 5-to-1 to 6 or
5 A. I have that, yeah.	5 7-to-1 in shape, right?
6 Q. Okay. And are those the results of	6 A. Yeah, they're amphibole rods, yeah.
7 those retained samples, sir?	7 Q. And they are parallel sided, right?
8 A. They appear to be.	8 A. Yes.
9 Q. Okay. You can look at the bottom of	9 Q. Alright. Let's talk about the
10 this document and you can see that the samples match	
11	11 parallel sides, right?
MR. PANATIER: Your Honor, we offer	12 A. That's that that's that definition
13 this into evidence, 2454.	13 you have on that chart.
MS. SULLIVAN: No objection.	14 Q. That's the analytical definition that
THE COURT: Admitted.	15 Johnson & Johnson uses to define asbestiform
(Plaintiff's Exhibit 2454 was moved	16 minerals to find asbestiform minerals in their talc,
into evidence.)	17 right?
18 Q. And, sir, you can see the samples are	18 A. It is not. It is the definition
19 here and they match. Do you see that?	19 that's written on the specification. It is not the
20 A. Yes.	20 system for the
21 Q. Okay. So if we look here at the	21 MR. PANATIER: Your Honor, I object
22 results, "petrographic optical microscopy revealed	22 as nonresponsive, your Honor.
23 trace amounts of amphibole in each of the above	MS. SULLIVAN: I think he's answering
24 samples. Based on the numbers and particles	24 the question.
25 scanned, we estimate trace amounts to be .001 to .01	25 THE COURT: Objection sustained.
Page 103	Page 105
Page 103 1 by weight," right?	Page 105 1 BY MR. PANATIER:
1 by weight," right?2 A. Yeah.	1 BY MR. PANATIER: 2 Q. Here's the question I'm asking.
 by weight," right? A. Yeah. Q. Okay. And they tell us what the 	1 BY MR. PANATIER: 2 Q. Here's the question I'm asking. 3 "3-to-1 parallel sides" is the
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1 by weight," right? 2 A. Yeah. 3 Q. Okay. And they tell us what the 4 shape of these particles were and they say 5 "prismatic columnar." That's mean like a column, 6 right? 7 A. Yeah, like my pen. 8 Q. Like your pen. 9 A. Yeah. 10 Q. Okay. "Parallel sided," right? 11 A. Yes. 12 Q. Rods? 13 A. Yeah. 14 Q. And see how it says, "size from 20 by 15 4 microns," that would be 5-to-1, would it not? 16 A. Yes. 17 Q. And 20 by 30. What would that be 18 about 6 or 7-to-1? 19 A. 200 by 30, isn't it? Yeah, 200 by	1 BY MR. PANATIER: 2 Q. Here's the question I'm asking. 3 "3-to-1 parallel sides" is the 4 definition of "fiber" used by Johnson & Johnson in 5 testing method 7024 to define asbestiform minerals 6 in the talc, correct? 7 A. I don't see where asbestiform. I 8 Q. Sir, you and I have already been over 9 this. This is in evidence testing method 7024. 10 Look at the board. Elongated particle, right? 11 A. Yes. On that definition TM7024 that 12 is what is stated. 13 Q. Okay. And look, we have elongated 14 particles, do we not? 15 A. We do. 16 Q. We have longer than 3-to-1 aspect 17 ratios, correct? 18 A. Yes. 19 Q. We have parallel sides, correct?
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1 by weight," right? 2 A. Yeah. 3 Q. Okay. And they tell us what the 4 shape of these particles were and they say 5 "prismatic columnar." That's mean like a column, 6 right? 7 A. Yeah, like my pen. 8 Q. Like your pen. 9 A. Yeah. 10 Q. Okay. "Parallel sided," right? 11 A. Yes. 12 Q. Rods? 13 A. Yeah. 14 Q. And see how it says, "size from 20 by 15 4 microns," that would be 5-to-1, would it not? 16 A. Yes. 17 Q. And 20 by 30. What would that be 18 about 6 or 7-to-1? 19 A. 200 by 30, isn't it? Yeah, 200 by 20 30. 21 Q. I'm sorry, 200 by 30. That's my	1 BY MR. PANATIER: 2 Q. Here's the question I'm asking. 3 "3-to-1 parallel sides" is the 4 definition of "fiber" used by Johnson & Johnson in 5 testing method 7024 to define asbestiform minerals 6 in the talc, correct? 7 A. I don't see where asbestiform. I 8 Q. Sir, you and I have already been over 9 this. This is in evidence testing method 7024. 10 Look at the board. Elongated particle, right? 11 A. Yes. On that definition TM7024 that 12 is what is stated. 13 Q. Okay. And look, we have elongated 14 particles, do we not? 15 A. We do. 16 Q. We have longer than 3-to-1 aspect 17 ratios, correct? 18 A. Yes. 19 Q. We have parallel sides, correct? 20 A. Yes. 21 Q. By this definition, these are
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1 by weight," right? 2 A. Yeah. 3 Q. Okay. And they tell us what the 4 shape of these particles were and they say 5 "prismatic columnar." That's mean like a column, 6 right? 7 A. Yeah, like my pen. 8 Q. Like your pen. 9 A. Yeah. 10 Q. Okay. "Parallel sided," right? 11 A. Yes. 12 Q. Rods? 13 A. Yeah. 14 Q. And see how it says, "size from 20 by 15 4 microns," that would be 5-to-1, would it not? 16 A. Yes. 17 Q. And 20 by 30. What would that be 18 about 6 or 7-to-1? 19 A. 200 by 30, isn't it? Yeah, 200 by 20 30. 21 Q. I'm sorry, 200 by 30. That's my 22 my error. That would be about 6 or 7-to-1? 23 A. Yes, yes.	1 BY MR. PANATIER: 2 Q. Here's the question I'm asking. 3 "3-to-1 parallel sides" is the 4 definition of "fiber" used by Johnson & Johnson in 5 testing method 7024 to define asbestiform minerals 6 in the talc, correct? 7 A. I don't see where asbestiform. I 8 Q. Sir, you and I have already been over 9 this. This is in evidence testing method 7024. 10 Look at the board. Elongated particle, right? 11 A. Yes. On that definition TM7024 that 12 is what is stated. 13 Q. Okay. And look, we have elongated 14 particles, do we not? 15 A. We do. 16 Q. We have longer than 3-to-1 aspect 17 ratios, correct? 18 A. Yes. 19 Q. We have parallel sides, correct? 20 A. Yes. 21 Q. By this definition, these are 22 asbestiform minerals by Johnson & Johnson's own 23 definition?

D 100	D 100
Page 106 1 Q. Just by Johnson & Johnson's	Page 108 1 Q. The FDA asks Johnson & Johnson to do
2 definition, right?	2 a calculation about the amount of asbestos that they
3 A. By that what you've copied down	3 believe to be safe in baby powder, correct?
4 there, yes.	4 A. They asked Johnson & Johnson to do a
5 Q. You know I didn't write that	5 calculation, a mathematical calculation, yes.
6 document, right?	6 Q. And when they said, can you do a
7 A. No, you as you say, you just	7 mathematical calculation that tells us how much
8 copied it down. That's okay.	8 asbestos is safe in baby powder, I assume Johnson &
9 Q. So those were four samples where they	9 Johnson said zero, right?
10 found actinolite tremolite, right?	10 A. Well, that wasn't the exact question
11 A. They found actinolite tremolite rods.	11 that was asked. They were asked to give a question
Q. Do you know if that went to the FDA?	12 sorry. They were asked to give a mathematical
13 A. I don't know.	13 calculation as to what may be present if there was a
14 Q. Okay. The next document will be	14 certain amount of asbestos there.
15 dated January 18, 1974. So it should be a few	15 Q. When they were asked by the FDA what
16 documents before what we just went through, I think.	16 amount is safe in baby powder, did they say zero
17 This is Exhibit 2506.	17 because our policy is zero tolerance?
18 A. '74 or '73?	18 A. I don't know whether they said that.
19 Q. 1974, January 18, '74. Let me know	19 But if FDA if the FDA asks you to do something.
20 if you have any trouble finding it.	Q. Sir, if you don't know, you don't
21 THE COURT: It's in Binder 2.	21 know, okay?
MR. PANATIER: Binder 2.	22 A. I don't know.
23 Q. I think you put it on the ground.	23 Q. Okay.
A. Oh, that's where it is.	24 A. I don't know.
25 Q. These documents will not hide from	25 Q. That's fine.
Page 107	Page 109
1 you.	1 Okay. Now, Eiermann, Eiermann, he is
1 you.2 A. You need to give me a bigger table.	1 Okay. Now, Eiermann, Eiermann, he is 2 at this meeting, correct?
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 1 you. 2 A. You need to give me a bigger table. 3 Right, '74, give me the 4 Q. Yes, January 18, '74. 	1 Okay. Now, Eiermann, Eiermann, he is 2 at this meeting, correct? 3 A. He was one of several FDA people, 4 yes.
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Page 110 Page 112 1 Α. To say if there are 1 percent, how 1 on what we've gone through so far, what's in our 2 much would that --2 inbox, was enough to present the question about the 3 MR. PANATIER: Your Honor, I object 3 safety of their talc? 4 4 as nonresponsive. A. No. 5 5 Okay. That's what is written. Okay. But if there ever was a Q. THE COURT: Objection is sustained. 6 question, they should take it off the market, right? 6 7 7 If there was a genuine question A. That is what is written. A. 8 Q. Okay. Because that's all I asked 8 relating to safety, yes. 9 you. Q. So, if there was "a genuine 10 A. That is what is written, yes. 10 question." 11 Q. Is that what was said to the FDA? 11 And what do you mean by "a genuine 12 A. That is what is written, yes. 12 question"? 13 O. And Eiermann -- Wodicka, Mr. Wodicka 13 A. The question where the answer is that 14 appeared skeptical of Dr. Eiermann's approach to the 14 there's a significant problem or a problem. In 15 problem because it was Eiermann, the former J&J 15 other words, you can have a question, I can have a 16 employee, who had asked them to do the calculation, 16 question, but it has to be one where there is 17 right? 17 evidence to say this question is valid. 18 He had asked him to do a calculation 18 So, sir, does Johnson & Johnson agree A. 19 based on certain hypothesis, yes. 19 that the consumers of its products should be able to 20 And what Wodicka says is, he implied 20 make their own health and safety decisions about 21 that what is safe for a miner may not be safe for a 21 whether or not to use that product? 22 baby, right? 22 A. Yes. 23 23 A. Yes, I wouldn't disagree. Q. And does Johnson & Johnson agree that 24 Q. Okay. Has Johnson & Johnson ever 24 they should provide full information to those 25 told the public what they told the FDA in 1974 that 25 people, those consumers about the products that they Page 113 Page 111 1 they believed that substantial asbestos can be 1 are manufacturing and selling? 2 2 safely allowed in a baby powder? A. Yes. 3 What they actually told FDA --O. And that Johnson & Johnson shouldn't 4 MR. PANATIER: Your Honor -- your 4 make risk decisions for consumers, consumers should 5 Honor, I'm objecting, nonresponsive. 5 be able to make their own risk decisions, right? In that case, no. A. 6 7 7 Q. MR. PANATIER: I would ask the Okay. So far in everything that we 8 witness to answer the question. 8 have gone through where we found fibers of 9 No, they have not, correct? 9 tremolite, needles of tremolite, rods of tremolite, 10 A. They have not stated that sentence 10 none of that was provided to the public, was it? 11 that was written in this report. 11 A. No. 12 Okay. What Johnson & Johnson has 12 Q. Okay. 13 always told the public is zero tolerance, right? 13 A. For good reason. 14 A. And that's still the case. 14 Q. Do you know whether or not the 15 Do you believe it was the case right 15 consumers who were purchasing it thought it was a Q. 16 here when they told this to the FDA? 16 good reason? 17 Α. Yes. 17 A. I cannot speak or hypothesize what 18 O. Okay. And then Dr. Fuller of Johnson 18 consumers think. 19 & Johnson stressed that Johnson & Johnson has a 19 Let's go to the next document. This 20 policy of full cooperation with the FDA and that if 20 one will be 1974, April 24, 1974. There were two 21 the results of any scientific studies show any 21 primary ore bodies in the '70s which Johnson & 22 question of safety of talc, Johnson & Johnson will 22 Johnson was using. 23 not hesitate to take it off the market, right? 23 The biggest, the one that produced the most 24 A. 24 talc was Hammondsville Cosmetic, correct? 25 Q. Sir, don't you agree that just based 25 The Hammondsville mine produced A.

Page 114 Page 116 1 cosmetic talc, yes. 1 knew there was chrysotile asbestos in the Argonaut 2 ore body, right? Right? Okay. And the other one was 3 Argonaut, that was qualified in '74 or '75 and went 3 A. Which Argonaut ore body? There are 4 open in about '76; is that true? 4 two Argonaut mines. 5 5 It was never used commercially until Q. What does this say? A. 6 around about 1995 for cosmetic talc. A. Well, this describes -- this is a 6 7 Q. It was qualified in the '70s? 7 generic one talking about the Argonaut ore body. 8 A. It was qualified in the '70s, yes, 8 Are you saying that there is another 9 but it wasn't used in cosmetic talc until the --9 Argonaut mine or are you saying that through time 10 '95, '96. 10 they pulled from different areas in Argonaut? 11 Q. Okay, alright. And we'll address 11 There are two Argonauts. There's the 12 that a little bit later. 12 main ore body, south Argonaut and the east Argonaut 13 They qualified it 15 to 20 years earlier, 13 Q. Okay. Anyway --14 14 right? A. That's the ore body which covers many 15 A. Yes, but they had sufficient in the 15 acres. 16 16 Hammondsville mine not to need it. Q. The question I asked you not one 17 And when they qualified the Argonaut 17 minute ago, was Johnson & Johnson knew there was 18 ore body, Johnson & Johnson knew it contained 18 chrysotile asbestos in the Argonaut ore body and you 19 chrysotile asbestos, correct? said no, correct? 20 20 A. No. A. Not in the -- not in the main ore 21 21 body. Q. No, alright. 22 Let's look at this document dated April 24, 22 Q. Can you answer the question. Did you 23 1974, okay? Can you find that one, sir, please? 23 say yes to my question or did you say no to my 24 A. Yes. 24 question? 25 25 I said no to your question. Q. Have you found that? A. Page 115 Page 117 Yes. 1 A. Q. Alright. Let's look at this 1 2 Q. Okay. You've got it. This is a 2 document, which is an examination of talc samples 3 McCrone report entitled, "Examination of Talc 3 from the Argonaut ore body, shall we, okay? 4 Samples Argonaut Ore Body," right? 4 From the Argonaut ore body, yes. 5 Yes. This is -- they looked at 38 5 Right. This is the one they were O. 6 core samples from a new ore body. 6 qualifying for baby powder, correct? 7 Q. One second, step by step. They were looking at 15 years 8 A. Yes. 8 previously for baby powder as a possibility, yes. 9 Q. Hold on. It is what I represented it Okay. "An intensive examination has 10 was, right? 10 been made by XRD and electron microscopy of 38 core It's -- it's examination of samples. 11 A. 11 samples," right? 12 O. Right. 12 A. Yes. 13 A. Yes. "From a new ore body which Windsor 14 O. I'm just getting the title, okay. 14 Minerals, Inc., are contemplating exploiting. The 15 April 24, 1974, true? 15 examination was undertaken to determine the 16 A. Yes. 16 mineralogical content of core samples and, in 17 Q. Okay. 17 particular, whether or not there was any significant 18 MR. PANATIER: Your Honor, we offer 18 content of asbestiform minerals in the ore body. 19 this into evidence. 19 For comparison three core samples from the current 20 MS. SULLIVAN: No objection. 20 ore body were also examined." 21 THE COURT: Admitted. 21 Now, here's what it says, "The 22 (Plaintiff's Exhibit 2049 was moved 22 majority of the samples showed no evidence of 23 into evidence.) 23 asbestiform minerals and 15" -- now they did 38, 24 BY MR. PANATIER: 24 right? 25 Now, I asked you if Johnson & Johnson 25 A. Yes.

30 (Pages 114 - 117)

Page 118 Page 120 1 O. "Of the 15 that did show an 1 amphibole, yes. 2 asbestiform mineral, only one exceeded an estimated And by the way, when we say "low Q. 3 level of 0005 percent," right? 3 sensitivity," the lower the better, correct? If you 4 say high --4 A. Yes. 5 5 A. Q. Now, you and I discussed first thing The stricter --6 yesterday that with tens to hundreds of trillions of O. Right. 6 7 particles per bottle, even if it was just 1 trillion 7 A. The stricter the better, yes. 8 and you had .00001 percent, that's still 10 million 8 Q. Right. So, if you say, "high 9 particles of asbestos, correct? 9 sensitivity," that's actually poorer sensitivity 10 A. Yes. 10 than something that is low sensitivity, right? 11 Q. Okay. So by the way, they found 11 A. 12 asbestos in the Argonaut ore body, right? 0. 12 Okay. But they also did electron 13 microscopy. 13 In one part of the ore body, yes. 14 MS. SULLIVAN: And, your Honor, just They did, yes. 14 A. 15 in the interest of completeness, I ask that Counsel 15 Q. It starts there. 16 read the conclusion of this paragraph right below 16 A. Yeah. 17 that. 17 And they say, "As will be seen from Q. 18 MR. PANATIER: Right below that? I 18 Table 2, only two samples showed a level above 0005 19 the actual figures being 007 and 001 respectively. 19 haven't gotten there, your Honor. 20 THE COURT: Whenever you get there. 20 For chrysotile asbestos plus, approximately, 21 21 .0001 percent of fibrous tremolite." MR. PANATIER: I will. 22 THE COURT: Thank you. 22 Now, right there he's describing the 23 BY MR. PANATIER: 23 asbestos they found as fibrous tremolite, right? 24 O. Now look at what it says. "It is 24 A. Yes. 25 anticipated that the beneficiation" -- that's the 25 Q. Okay. "Excluding" -- excluding I Page 119 Page 121 1 think is what that word is trying to say -- "these 1 flotation, right? 2 A. 2 samples, the remaining samples which showed Yes, yes. 3 (Continuing.) "Of the ore would 3 asbestiform in fibers are exhibiting levels which 4 significantly reduce these low levels and that, 4 are no higher than has been seen in a raw composite 5 therefore, the benefitiated ore would prove free of 5 used to manufacture a finished product." 6 any asbestiform minerals." Remember that he said, we looked at the 7 So they're saying, if you float it, we think 7 Argonaut and we also looked at the ore currently 8 it will take it out, right? 8 being used, right? 9 Well, that was his opinion in 1974. 9 A. Yes. 10 Q. That was not true, was it? 10 Q. And that's Hammondsville, correct? 11 A. No. 11 A. 12 0. Okay. "It is concluded that the ore 12 0. Okay. And they say that "The levels 13 body is of suitable quality for manufacture of 13 of chrysotile observed in the two high samples is 14 only in order of magnitude above this." 14 high-grade cosmetic and toiletry products," and that 15 is where the baby powder falls, correct? 15 So what he's saying is, we saw it in 16 the stuff we're using right now and the stuff we saw 16 A. It would be if it were ever accepted, 17 yes. 17 in the Argonaut stuff that we're testing is too --18 Let's look at -- we talked about XRD, 18 is an order of magnitude higher than what they're 19 right? "In no instance was any asbestos or 19 currently using, correct? 20 20 potentially asbestiform mineral identified by XRD," A. You're reading what he wrote. 21 right? 21 And what I have summarized is Q. 22 A. 22 accurate, is it not? That's what is written. 23 We know XRD does not have very low 23 Well, you're reading or you've Q. A. 24 sensitivity, right? 24 summarized what he wrote. 25 Yes, down about half percent 25 Okay. He's saying there's chrysotile Q.

Page 122 Page 124 1 in the Hammondsville ore body, correct? 1 that even prior to beneficiation this material is of Well, he doesn't actually say that. 2 extremely high grade substantially asbestos free." 2 3 He doesn't mention the Hammondsville ore body. By the way, we're back to That's why you're here, sir, is you 4 "substantially." 5 5 and I have established that as the Hammondsville ore MS. SULLIVAN: Can we read it first, 6 body was the then used ore body, correct? 6 Counsel? 7 7 MR. PANATIER: Your Honor, I can --A. The Hammondsville ore body was the 8 then -- was used at that time, yes. 8 THE COURT: Stop interrupting, Right. And he was given a raw 9 Counsel, he is reading it. 10 composite used to make finished product then, 10 Continue. 11 Hammondsville, correct? 11 MR. PANATIER: I'm going to stop here 12 and I will read the rest but I'm going ask a 12 He was given a raw composite. It 13 doesn't say it was Hammondsville, but it could have 13 question. 14 been. 14 BY MR. PANATIER: 15 Q. Sir, I don't want to go around in 15 Q. "Substantially asbestos free," 16 doesn't mean "asbestos free," does it? 16 circles with you. 17 A. Yeah, like I say. 17 Again, we're going to that argument 18 Go back to the beginning and I'll 18 as to what "substantially" means. And, you know, I Q. 19 show you if you want to see it. 19 can speculate. But it reads what it reads 20 For comparison three core samples 20 "substantially asbestos free." 21 from the current ore body were also examined, right? 21 O. I don't want to you speculate. 22 A. Yes. 22 A. Thank you. 23 Q. 23 Okay. We know that's Hammondsville, Q. I just want you to -- I just want you 24 right? 24 to -- let's talk commonsense, okay? Does 25 It should have been, yes, yes. 25 "substantially asbestos free" mean "asbestos free," A. Page 123 Page 125 1 sir? 1 Okay. And what he says is that the 2 chrysotile that they found in the ore body that they 2 A. I don't know the context on how this 3 were looking to qualify had more chrysotile than the 3 person thought. What he stated is what he stated. 4 current ore, correct? 4 He already said he found asbestos. 5 A. Well, that's what he's written. A. What he reads --6 Did he say he found asbestos? Q. Okay. Right, that's all I'm asking O. 7 7 you, is did he write that? MS. SULLIVAN: Your Honor, I'm just 8 going to object. The Court instructed him to read 8 Yeah, he's written that as part of 9 this review to whether or not to use the --9 the conclusion for completeness and he's not doing 10 Q. Right. 10 that. 11 THE COURT: Overruled. He is. 11 Α. -- Argonaut mines. 12 MS. SULLIVAN: Counsel, can you read 12 Q. Does it say he found asbestos, Dr. 13 Hopkins? 13 the conclusion. 14 A. 14 MR. PANATIER: Sure. In the -- in the summary or the 15 15 conclusions? It's already been stated but he says, 16 The level of chrysotile -- "The levels of 16 Q. In the summary. 17 chrysotile" --17 What he reads -- what he writes --18 MS. SULLIVAN: The paragraph, 18 MR. PANATIER: I'm going to object to 19 Counsel. 19 nonresponsive. 20 MR. PANATIER: You want me to read 20 A. He doesn't say he found asbestos. 21 He doesn't say he found asbestos? It 21 the bottom paragraph, okay. 22 literally says he found chrysotile asbestos in 15 22 "The examine of 41 core samples, 38 23 of them from a new talc ore body using the 23 samples, doesn't it? 24 techniques of X-ray diffraction, electron microscopy 24 That's what -- I thought you were 25 and selected area electron refraction have shown 25 going to read that in the next sentence. In only

Page 126 Page 128 1 two samples --By the way, since he also said that Q. 2 Q. Wait, wait. 2 he found chrysotile in the then current ore body, 3 MR. PANATIER: Okay. Your Honor, I 3 did that information go to the FDA? 4 have to object to nonresponsive and move to strike. 4 I don't know. MS. SULLIVAN: Objection, your Honor. Okay. Let's go to November 10th. 6 He's arguing with -- Counsel is arguing with the 6 This is -- actually, it's dated November 6th, but 7 witness. 7 your tab says November 10, 1974, because that's when 8 THE COURT: Objection overruled. 8 the document is signed. This is Exhibit 2321. So Please listen to the question before 9 November 10, 1974. Do you have that, sir? 10 you begin to answer and answer only the question 10 A. Yes. 11 being asked. 11 Q. Alright. And this is one of our FDA 12 One more time. 12 FOIA documents. This is not a great copy, as we've 13 BY MR. PANATIER: 13 seen from some of the FDA documents. But this a --14 Did they find asbestos in 15 samples? 14 can you see it's a memorandum of a meeting 15 The claimed to. He reported. In 15 November 6th, 1974? 16 those core samples, drill samples, that's what he 16 A. Yeah. 17 reported. 17 Q. Okay. And then down here when he describes A. Yes. 18 19 it as, "substantially asbestos free," that does not 19 O. And it says, "Between FDA 20 mean "asbestos free," can we agree on that? 20 representatives" -- and it has a list -- "and 21 A. Yes. 21 representatives of J&J," right? 22 Q. Okay. And he says that, "And of a 22 A. Yes. 23 quality which we associate with cosmetic-grade talc. 23 Q. Subject is "General discussion of the 24 In only two samples was a level of chrysotile 24 talc/asbestos problem," right? 25 observed which was higher than .0005. Chrysotile 25 A. Yes. Page 127 Page 129 1 levels of this order of magnitude might well arise MR PANATIER: Okay. Your Honor, we 1 2 during taking and handling of samples," right? 2 offer Exhibit 2321 into evidence. 3 A. That's exactly what is written, yes. 3 MS. SULLIVAN: No objection. 4 Q. Now, if we actually look at the 4 THE COURT: Admitted. 5 results, there's XRD in Table 1. And no positives. 5 (Plaintiff's Exhibit 2321 was moved 6 There is one questionable for chrysotile, right? 6 into evidence.) 7 A. Yes. 7 BY MR. PANATIER: O. But when we go to transmission We're going to try to make this out 9 electron microscopy, we have both chrysotile and 9 as best we can. This is what I'm -- what I want to 10 amphibole in 15 samples, right? 10 discuss right here. Following introductions, "Dr. A. Yes, on the core drill samples, yes. 11 Nashed had stated that their statistical group had 12 O. Okay. Before this time Johnson & 12 made an estimation of a theoretical safe level of 13 Johnson had represented to the FDA that they had 13 asbestos fiber in a baby talc utilizing the official 14 never found chrysotile in any of their ores, 14 TLV for asbestos and the data obtained from their 15 correct? 15 experiment on dusting of baby powder." So I'll stop 16 A. Not in the -- not in the ores used to 16 there. 17 make the powder, this ore body evaluation. 17 Again, Johnson & Johnson has said publically 18 MR. PANATIER: Objection 18 and said here in this courtroom yesterday there is 19 nonresponsive, your Honor. 19 no known safe level of asbestos exposure, correct? 20 Okay. Not in the ores used to make 20 A. Yes. 21 the powder, period. 21 Okay. He further stated that 22 Okay. And when they got this report, 22 "Johnson & Johnson had examined many cosmetic talc 23 when they started using the ore body, okay, in the 23 samples and had not detected chrysotile at any 24 '90s, did this go to the FDA, that's the question? 24 level," right? 25 A. I don't know. 25 You read what is written. A.

Page 130 Page 132 1 Q. Okay. That comes about seven months 1 shown to be suitable for the production of Johnson's 2 after April where they analyzed the core samples, 2 Baby Powder." So this is July. 3 right? That's two years and three months after the 4 74 core sample report, right? 4 A. In the mine that they were beginning 5 5 to look at, yes. A. Yes. Q. That's right. 6 6 O. And they are proving it, right? They are proving the areas that were 7 7 A. Yes. A. 8 O. Correct? On the back -- we'll it's 8 clean, yes. 9 here. "He wondered, therefore" -- this is Dr. 9 Q. Oh, I'm sorry, does it say that? 10 Nashed -- "if a health hazard does exist involving 10 A. Put it the other way around, you 11 the presence of chrysotile in cosmetic talcs since 11 would not approve areas. 12 their calculation showed that a substantial safety MR. PANATIER: I'm going to object as 12 13 factor can be expected with talc containing 13 nonresponsive, your Honor. 14 1 percent by weight asbestos particles," right? 14 No, it does not say that. It does A. 15 A. You read what is written. 15 not say that, no. 16 Q. Okay. So, again, this is not zero Q. It doesn't say we're only approving 16 17 the clean areas, right? 17 tolerance, correct? No, this is a response to a request 18 A. It doesn't that on here, no. 18 A. 19 from FDA. 19 O. And by the way, when McCrone went out 20 20 and did the core samples, the core sample Q. 21 21 representation represented areas of the entire ore A. And you read what they wrote when 22 they responded to FDA. 22 body, right? 23 Dr. Eiermann indicated that, "The 23 A. They went over several acres, yes. 24 division of cosmetics technology had carried out a 24 Q. If you go to the next page, they talk 25 simulated baby dusting experiment and the results 25 about McCrone's report from '74, right? Page 133 Page 131 1 seem to differ from the results of Johnson & Johnson 1 A. Yes. 2 by one order of magnitude." 2 Q. And it says, "Walter C. McCrone & 3 Now, an order of magnitude is tenfold, 3 Associates evaluated 38 ore samples from the 4 correct? 4 Argonaut ore body and found no difference in the 5 A. Yes. 5 qualitative and quantitative presence of asbestiform Okay. That's it. Let's look at 6 minerals compared to three samples from Q. 7 July 16, 1976. Have you found that? 7 Hammondsville ore body," right? 8 A. Yes, yes. 8 A. That's what is written. 9 Q. Johnson & Johnson memo, July 16, Q. So remember how I asked you? I said, 10 1976, Plaintiff's Exhibit 2601. That's from Alan 10 well, the then current ore being used was 11 Hammondsville, right? 11 Marks, right? 12 A. Yes. 12 A. Yes. MR. PANATIER: We'll offer this into Well, now we know for sure that's 13 13 O. 14 evidence, your Honor. 14 correct, isn't it? 15 15 MS. SULLIVAN: No objection, your A. That is correct, yes. 16 Honor. 16 Q. And they say that it didn't differ in 17 THE COURT: Admitted. 17 quantity or quality of the asbestiform minerals 18 (Plaintiff's Exhibit 2601 was moved 18 present, right? 19 into evidence.) 19 A. You read what was written. 20 BY MR. PANATIER: 20 O. Right. So we had the levels that 21 Now, this is a discussion of the 21 were found and we had the quantity, 15 of 38 that 22 were found, right? 22 Argonaut mine evaluation, correct? 23 A. 23 A. Yes. Yes. 24 Q. "Processed talc produced from the 24 Q. Okay. And they're saying it's 25 Argonaut mineral of Windsor Minerals, Inc., has been 25 virtually the same as Hammondsville, right?

Page 134 1 A. Well, obviously, they were taking it	Page 136 1 A. Yes. You're reading what they wrote.
2 from the areas that were asbestos free to meet that.	2 Q. Of course, it's not free of
3 Q. I'm so sorry, where does it say that?	3 asbestiform minerals, is it?
4 A. You know, it doesn't say that.	4 A. Certain areas would be avoided.
5 Q. It doesn't, alright.	5 Q. Right. But look, it's interesting
6 A. I'm happy to give that information	6 what they say in their conclusion. This is McCrone
7 and explanation later.	7 again, is it not?
8 Q. Okay. Alright. You can set that	8 A. It's McCrone it's a McCrone
9 aside, sir, or are you ready to turn to the next	9 memorandum, yes.
10 page.	10 Q. Yes. They say, "Based on it's
This will be 9 May 1974. So it's	11 freedom from asbestiform minerals," and they're
12 Exhibit 2525. So May 9th, 1974. If you would turn	12 talking about the whole ore body?
13 to that, sir.	13 A. They talk about the whole ore body,
You found that?	14 yes.
15 A. Yes.	Q. But it's not free of asbestiform
Q. Okay. And by the way, what McCrone	16 minerals?
17 said in their 1974 survey was that the talc they'd	17 A. No, there are areas that you would
18 sampled, all of it, was suitable for use in the	18 not use.
19 cosmetic products, correct?	19 Q. Does it say that?
20 A. Did they state that, specifically,	20 A. That's just the way that the miners
21 or for every one of those core samples?	21 and the geologists work.
Q. The sample was of the Argonaut ore	MR. PANATIER: Objection.
23 body, right?	23 Nonresponsive, your Honor.
24 A. The ore body, yes.	A. It does not say that, no, it does
Q. It says, "It has concluded the ore	25 not.
P. 105	
Page 135	Page 137
Page 135 1 body is of suitable quality for the manufacture of	Page 137 MR. PANATIER: Move to strike.
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Page 138 Page 140 1 A. Yes. 1 nonresponsive. I move to strike. Let's just look at some of the 2 I said I don't know. Q. 3 THE COURT: Everything short of "I 3 results. In 6/6/14 ore they say that they found 4 nine small chrysotile fibers, right? 4 don't know" has been stricken from the record. 5 The next document will be 5 A. Yes. 6 September 6th, 1974. 6 O. They didn't find any asbestiform 7 amphiboles, just chrysotile, true? 7 THE COURT: What was the date, 8 You read what is reported. 8 Counsel? 9 MR. PANATIER: September 6th, 1974 Q. Now, well, here, let's look at the 10 next one, "product." You see where it says, 10 and the Exhibit No. is 2536. 11 "electron microscopical examination showed three 11 BY MR. PANATIER: 12 fibers which bore an exact resemblance to chrysotile 12 Let me know once you've located that, Q. 13 Dr. Hopkins. 13 but no conclusive electron diffraction pattern could 14 be obtained. In addition, three other small 14 Yeah, we have it. A. 15 chrysotile fibers were found which did give 15 Q. You got it? 16 diffraction patterns, no amphiboles," right? 16 A. Yes. 17 A. Yes. 17 Q. This is a letter to the FDA from 18 Q. They found chrysotile asbestos in the 18 Johnson & Johnson, right? product of the beneficiation process, right? A. 19 19 Yes. 20 From -- yes, yeah. 20 MR. PANATIER: We offer this into A. 21 Alright. So, after it's floated, 21 evidence. O. 22 after it's benefitiated, they still found asbestos, 22 MS. SULLIVAN: No objection. THE COURT: Admitted. 23 right? 23 24 24 A. Yes. And we've said that (Plaintiff's Exhibit 2536 was moved 25 benefitiation will not remove --25 into evidence.) Page 139 Page 141 1 Q. Right. 1 BY MR. PANATIER: -- asbestiforms. 2 A. 2 September 6th, 1974. They say to Dr. 3 Q. And J&J's always known that, right? 3 Schaffner, they've done another calculation. It 4 4 says, "The calculation shows that a substantial A. 5 Okay. Here it says, "The results of 5 safety factor can be expected with talc containing 6 extensive light and electron microscopical 6 1 percent by weight asbestos fibers," right? 7 7 examination of three Argonaut talc core samples and A. That was their response. "WW" by the way, that just means 8 three product samples produced from these ores so 8 Q. 9 that the Argonaut ore body, in general, produces a "weight for weight," right? 10 good quality platy talc with low content of rolltop 10 A. Yes. 11 fibers. Only ARX66-14 ore and product showed any "Therefore, methods capable of 11 O. 12 evidence of asbestos contamination." 12 determining less than 1 percent in talc are not 13 necessary to assure the safety in cosmetic talc," 13 They're put unequivocal there, right, that's 14 asbestos, right? 14 right? 15 15 A. That's what is written. A. That was their opinion in 1974. "Which is estimated at less than 1 to Q. So what they're saying is, if methods 16 17 2 parts per million for the ore and less than one 17 are going to be developed, we don't need anything 18 half to one part per million for the resulting 18 that goes below 1 percent, right? 19 product," right? 19 A. Well, that was the opinion in 1974. 20 20 O. A. Yes. But Johnson & Johnson knew if certain 21 21 methods were used such as TEM, that asbestiforms, Q. Okay. Did this go to the FDA? 22 I don't know. I mean, this was never 22 chrysotile or amphiboles could be found but at less 23 used at that time as a cosmetic product. It was an 23 than 1 percent, right? 24 industrial product. 24 A. Yes. And J&J were using TEM. 25 25 MR. PANATIER: Objection, your Honor, Q. So Johnson & Johnson knew that if you

5. 442	5 444
Page 142	Page 144 1 MS. SULLIVAN: It's already in
1 looked down to a smaller percentage, you could see	2 evidence.
2 it, right, by TEM?	
3 A. Yeah, they've been using TEM since	1
4 '72.	4 BY MR. PANATIER:
5 MR. PANATIER: Objection,	5 Q. Okay. So here's the here's the
6 nonresponsive, your Honor.	6 document. We've already established that at this
7 A. Yes.	7 time only Hammondsville is the only cosmetic ore
8 THE COURT: The objection is	8 body, correct?
9 sustained.	9 A. The only cosmetic ore body.
10 A. Your answer is, yes.	10 Q. Right.
11 THE COURT: Dr. Hopkins, could I	11 A. Yes.
12 please ask that you answer only the question being	12 Q. Right.
13 asked. Counsel for Johnson & Johnson will have an	13 A. Yes.
14 opportunity to ask questions later.	14 Q. And they're looking at 29 talc
THE WITNESS: My apologies, your	15 samples, right?
16 Honor.	16 A. Yes.
17 THE COURT: Thank you.	Q. And they found asbestos in them,
18 BY MR. PANATIER:	18 right?
19 Q. Yet the same year, 1974, they're	19 A. Yes.
20 telling the FDA, we only need a method that goes	Q. Oh, by the way, we haven't seen this
21 I'm sorry.	21 fella's name yet, Vern Zeitz.
22 (There is a discussion off the	He was R&D director at Windsor Minerals,
23 record.)	23 right?
Q. They're telling the FDA, we only need	24 A. Yes.
25 a method that goes down to 1 percent; is that true?	Q. And I didn't put him on my list here
Page 143	Page 145
1 A. That was what was written in 1974.	1 because he didn't fit and he was "Z." So let's add
2 Q. So that's to the FDA. So that goes	2 him. Let's add him by Miller because he was at
3 in the outbox.	3 Windsor Minerals. So we're going to put "Zeitz,
4 Let's look at July 1st, 1975. You	4 head of R&D."
5 know that McCrone was finding asbestos in the	5 Okay. They found confirmed asbestos
6 Hammondsville ore body in 1975, do you not?	6 in a number of these samples, right?
7 A. I don't know. I'd need to refresh my	7 A. In the samples that were reported,
8 mind on that one.	8 yes.
9 Q. Okay. Well, look at July 1st, 1975,	9 Q. Right. And let's just focus on HC.
10 please. That's already in evidence and it's	Okay. So they found 1, 2, 3, 4, 5 results
11 Exhibit 2053.	11 for confirmed asbestos in the HC, correct?
Have you found July 5th, 1975?	12 A. Yes.
13 A. Yes, yes, yes.	13 Q. And that's in the fines, right?
14 Q. I've shown you that document, at	14 A. Yes.
15 least, two or three times before, have I not?	15 Q. Because what they did here is they
16 A. July 1st, 1975?	16 actually did a separation technique, right, where
17 Q. July 1st.	17 they put the powder into a test tube and they
18 A. Yes, I have that.	18 sonicated it, right, which we talked about
19 Q. 1975.	19 yesterday, which separated out the fines from the
20 A. Yeah.	20 sediment, right?
21 MR. PANATIER: We offer this in	21 A. Yes.
22 evidence.	22 Q. That's a bit that's sort of like a
23 MS. SULLIVAN: No objection.	23 concentration technique, you can concentrate one
3	24 fraction away from another, right?
1/4 MIK PANATIER: 116 /1133 11 minim	
MR. PANATIER: It's 2053. It might 25 already been.	25 A. Yeah, a bit like centrifuging, yes.

Page 146 Page 148 1 Q. Yeah. If then you go to the next 1 where they say that when they suspend the fines it's 2 page, they have the sediment. And for HC one, two 2 more sensitive to the presence of amphibole than 3 -- two of those are the HC, right, in the sediment? 3 looking in the sediment, right? Two of those are at HC. 4 Yeah, you're reading what is written. 4 5 5 So they had a way to sort of separate So they were able to -- I think it 6 says right here on the front page, they say, "In 6 out the different particles, fines versus sediment, 7 examining the samples, we kept a running tabulation 7 and they had a more sensitive way to look for the 8 of the asbestos which we could positively identify 8 asbestos, right? 9 the total fiber content in the organic material 9 A. That is the impression we get, yes. 10 present in each sample. These are listed 10 Q. Do you know that they ever did this 11 qualitatively as zero for none found, low for one to 11 again? 12 three fibers found, medium for four to eight fibers, 12 A. McCrone? 13 high and very high. In no case did the asbestos 13 O. Yeah, that they ever did this type of 14 content exceed medium." 14 technique to look for the asbestos after November of 15 My first question here is, did this 15 1975? 16 go to the FDA? 16 A. I don't know. 17 A. I don't know. 17 Q. Okay. 18 Have you seen any evidence that it 18 Don't know. Q. A. 19 actually did? 19 O. And on the back, fibers of asbestos 20 20 we've got HC. Let's look at HC 1, 2, 3, 4, right? A. I've not seen evidence that it did or 21 that it did not. So my answer is the same. I don't 21 A. Yes. 22 know. 22 O. And that's in the fines. And then 23 23 five, looks like five, right, a total if you include Now, there was a followup report on 24 this one in November. So if you'll turn to November 24 the sediment, right? 25 5th, 1975. This is also in evidence, November 5th, 25 A. Yes. Page 147 Page 149 1 1975. Q. And the highest result was this one 1 2 that had ten and that was marked HC? 2 "This letter will supplement our 3 report of July 1st on a series of talc or samples 3 A. 4 which we've analyzed for you. Table 1 shows the 4 0. Okay. "HC" you know is Hammondsville 5 actual fiber counts and the approximate equivalent 5 Cosmetic, correct? 6 concentration in parts per million of the amphibole A. No. 7 7 particles which we found in these samples." Q. It's not, okay. So help me out then 8 So these were amphibole asbestos they found, 8 so we can figure out what it means. I'll put it in 9 correct? 9 green. "HC," so I say it means "Hammondsville 10 A. They're described as amphiboles, yes. 10 Cosmetic" but you're the company, you tell me what 11 Q. Right. It was amphibole asbestos 11 it is means. What does that stand for? 12 they found? 12 A. The designation HC --Well, that was the heading that --13 13 Q. Uh-huh, right, I'm ready. 14 yeah, they've described it under the heading of 14 A. -- is applied to both industrial 15 "fibers of asbestos." 15 talcs and to cosmetic talcs. Q. Well, I'm asking what it stands for. 16 Right. 16 Q. 17 A. And described them as amphiboles. 17 What does "HC" stand for? 18 By the way, it doesn't say "fibrous 18 A. I've never ever seen a key or a 19 asbestos," it says "fibers of asbestos," right? 19 breakdown as to what "HC" stands for. 20 A. That is what is written. 20 O. Okay. This is already in evidence as 21 They said some of them seemed rather 21 Exhibit 2840 and I've shown you this before. 22 January 14, 1975. Do you see that? 22 high, one at 10 and one had 9 amphiboles. Most of 23 23 these come in bundles of 1, 2 or 3 fibers with A. Yes. 24 anywhere from 2 to 5 amphiboles in a bundle. 24 Q. The samples represented both the 25 And here they're describing their suspension 25 industrial materials produced at Gassetts, GI, the

Page 150 Page 152 1 West Windsor, WI, mill sites and the ores used in 1 quick answer." We know that's true. "I've just now 2 the cosmetic production "HC," right? 2 received the answer to your request of March 26, 3 That's what I said a minute ago. HC 3 1976. You are hereby granted permission to disclose 4 data resulting from your tests on our samples. The 4 can mean cosmetic ores, but it's, also, a 5 samples which are relevant to the production and 5 designation for industrial talcs. Well, for this they're saying it's 6 sale of cosmetic talcs in the US and Canadian 7 the cosmetic talc, right, they're not saying it's 7 markets are those bearing the letters HC as part of 8 industrial, are they? 8 their prefix," correct? On that particular memo. 9 A. A. Yes, you read what is written. 10 Q. Yes. 10 Q. Right. He's not saying one time for 11 A. That's what they said. On that day 11 one sample, is he? 12 they shipped that product and that was the 12 A. On that memo date on May 24, 1976 he 13 designation they used on that day. 13 is instructing --14 Oh, okay. So they would have only MR. PANATIER: I'm going to object to 14 15 used it on that day. Let's just be clear. Look, 15 nonresponsive, your Honor. 16 this was for six months of work. 16 THE COURT: Let him finish the 17 A. Okay. Okay. 17 answer. 18 Q. They said HC was the cosmetic 18 Go ahead, Doctor. production, right? 19 19 THE WITNESS: I'm sorry, I forgot the 20 On that -- on that particular memo, 20 question. 21 yes, on that -- written on that day. 21 BY MR. PANATIER: 22 O. Fine. This next document is dated 22 O. Yeah. At that time he is saying that 23 May 24, 1976, if you'll turn to that. It just says 23 the cosmetic production, the cosmetic talcs, are 24 '76. So I'll help you find it. Because it will be 24 designated HC, correct? 25 near the front. Here it is. 25 Yes, and that's what I was saying. A. Page 151 Page 153 1 On that time, that date, that's what he was saying. A. Thank you. 1 2 2 O. Well, he doesn't restrict to it to Q. No problem. Sir, this is a letter 3 from Roger Miller, the president of Windsor 3 any date, sir, does he? 4 Minerals, to McCrone, right? Well, I was quoting from the memo 5 which is May 24th. So he's saying on -- he wrote a 5 A. Yes. 6 memo on May 24th saying those results you've got Q. Dated May 24th, '76, true? 6 7 7 designated HC, those are the ones that you're going A. 8 to look at. 8 Q. And you've seen this before? 9 9 Q. Right. You're testings, right? A. Yes. 10 10 A. Yes. MR. PANATIER: Okay. We offer this Your tests? 11 into evidence, Plaintiff's Exhibit 3083. 11 Q. 12 MS. SULLIVAN: No objection, your 12 A. Yes. 13 O. He doesn't say one test at one time. 13 Honor. 14 THE COURT: Admitted. 14 He said if you want the cosmetic tests, it's the 15 ones bearing the letters "HC," right? (Plaintiff's Exhibit 3083 was moved 15 16 A. That's what he wrote on May 24th, 16 into evidence.) 17 yes. 17 BY MR. PANATIER: 18 Do you agree -- can we agree on this 18 This is a letter where he writes, 19 Roger Miller now, Windsor Minerals, so he knows what 19 -- and I bet we can -- that Hammondsville Cosmetic, 20 the designation is for the products they use, right? 20 if you just take the first letters of each one, 21 that's "HC," can we agree on that? 21 A. Well, yeah, I would hope so. You'd "hope so." He's the president 22 Yeah, that's -- that's -- yeah, H and 22 Q. A. 23 C, yeah. 23 of the mining company, right? 24 Q. Right, okay. 24 A. 25 25 A. But --Q. He says, "never ask a lawyer for a

Page 154	Page 156
1 Q. Well, hold on.	1 Q. Right. So you have Gassetts
2 A. I'll shut up.	2 Industrial, right?
3 Okay. So now we have the memo from	3 A. Yes.
4 1975 that says, "The cosmetic production is HC."	4 Q. And then you have Hammondsville
5 We have one the next year that is	5 Cosmetic grade ore "HC," right?
6 unrestricted in time that says, "the cosmetics was	6 A. Yes, on that particular memorandum,
7 HC," correct?	7 yes.
8 A. We do.	8 Q. Okay. Alright. This next one is
9 Q. Okay. This next one is just dated	9 it is missing the tag on that one. This one is
10 1977. And I can help you find that if you need it.	10 says 1978. You should only have 1 or 2 tabs that
11 It should be at the front of the 77s. Yeah, right,	11 just say 1978.
12 here. It's probably where it starts. I'm just	12 It might be in Binder 3. Let me help
13 going to let you look at it.	13 you get it. Yeah, here it is. Here you go.
Okay. So take a look a that. Is	MR. PANATIER: It's the first
15 that dated November 4th, 1977?	15 document, your Honor, in Binder 3.
16 A. It is, yes.	16 THE COURT: Sure.
17 Q. And that's from Vernon Zeitz to Ian	17 BY MR. PANATIER:
18 Stewart at McCrone?	18 Q. So that's a Windsor Minerals memo,
19 A. Yes.	19 correct?
20 Q. Okay. Thank you.	20 A. Yes. The answer is yes.
21 MR. PANATIER: We offer this into	21 Q. Sorry?
22 evidence, your Honor, as Exhibit 3121.	22 A. The answer is yes.
23 MS. SULLIVAN: No objection.	Q. Starting, "asbestiform mineral
24 THE COURT: I'm sorry, which one is	24 analysis sampling procedure for Hammondsville
25 it?	25 Cosmetic ore," right?
Page 155	Page 157
1 MR. PANATIER: 3121; 1977,	1 A. Yes.
2 November 4, 1977. It's this one. It may have been	2 Q. Okay. And you can see they're
2 left out of the hindows	
3 left out of the binders.	3 summarizing the sampling?
4 THE COURT: Okay, thank you.	4 A. Yes. Sorry, I said yes.
4 THE COURT: Okay, thank you. 5 (Plaintiff's Exhibit 3121 was moved	4 A. Yes. Sorry, I said yes. 5 MR. PANATIER: By the way, this is
4 THE COURT: Okay, thank you. 5 (Plaintiff's Exhibit 3121 was moved 6 into evidence.)	4 A. Yes. Sorry, I said yes. 5 MR. PANATIER: By the way, this is 6 Exhibit 3224. We offer it, your Honor. Sorry.
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D 150	P 160
Page 158 1 draw a mine real fast, okay.	Page 160 THE COURT: That's okay. Don't worry
2 So here's the Hammondsville mine, okay,	2 about it.
3 Hammondsville. They mine the cosmetic talc out of	3 BY MR. PANATIER:
4 Hammondsville, correct?	4 Q. Okay. So I'll just show you see
5 A. Yes.	5 that this is a FDA response to a FOIA request?
6 Q. That's not to say that they didn't	6 Right there?
7 also pull some out and sell it as roofing tale,	7 MS. SULLIVAN: It looks like it's
8 correct?	8 (INAUDIBLE.)
9 A. Yes.	9 THE COURT: I'm sorry, is that an
10 Q. They did that, right?	10 objection?
11 A. Yes. And they occasionally, if I	11 MS. SULLIVAN: No, your Honor, it's
12 may, mix it with material from the other mines, the	12 just it looks like it's not FDA but another
13 Columbia mine and the Clifton mine.	13 government.
14 Q. Well, we'll, get into that. The	MR. PANATIER: Oh, I'm sorry, that's
15 Clifton mine wasn't in operation in 1975, was it?	15 absolutely correct, it's
16 A. I believe it was. It was a short	16 THE WITNESS: US Department of Labor.
17 period when it was shut down. But there were other	17 BY MR. PANATIER:
18 mines, the Chester mine and the Blackbear.	18 Q. US Department of Labor, right?
19 Q. I was asking you about Clifton.	19 A. Yeah.
20 A. Clifton. There was a short period it	Q. I'm sorry. We're so used to the FDA
21 was shut down.	21 here.
22 Q. Okay. So roofing tale, right?	MR. PANATIER: Your Honor, I'm just
23 A. Yes.	23 going to offer this into evidence.
24 Q. You call that industrial?	MS. SULLIVAN: No objection.
25 A. It is, yes.	THE COURT: Admitted.
Page 159	Page 161
1 Q. Right?	Page 161 1 (Plaintiff's Exhibit 3051 was moved
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Page 162 Page 164 1 O. Correct, okay. 1 A. I don't know what this individual 2 (There is a discussion off the 2 wrote in 1975. He wrote what he wrote, you know. 3 3 I'm not going to argue over it, so... Well, because you told me like when I 4 Q. This will be Exhibit 2581. And this 4 5 is dated November 15th [sic], 1975, sir. This is 5 put up Johnson & Johnson's definitions, you say, oh, 6 probably going to be in your second binder. 6 no, it has to say it's asbestiform. Well, they're 7 November the? 7 saying it here. Is it asbestos? A. 8 Q. The 19th. 8 A. He says "asbestiform." 9 The 19th. That's it. Got it. 9 A. Q. Is it asbestos? 10 Q. Okay, great. 10 A. That would be my interpretation. 11 This is another memo from McCrone to 11 Q. Did this go to the FDA? 12 Windsor Minerals, right? I don't know. I don't know what 12 A. 13 It is, yes. 13 these talcs were. 14 MR. PANATIER: Okay. We offer this Well it says "HC," right? 14 Q. 15 into evidence, 2581, your Honor. 15 A. It says "HC," yes. MS. SULLIVAN: No objection. 16 Q. And we know that there are some memos 16 17 THE COURT: Admitted. 17 you've shown me and that we've gone through, where 18 (Plaintiff's Exhibit 2581 was moved 18 they reference "HC" as roofing talc, right, that we 19 into evidence.) 19 know is taken out of Hammondsville Cosmetic, 20 BY MR. PANATIER: 20 correct? 21 21 A. "HC" can mean industrial talcs. This is just another testing result, 22 correct, where they looked at 24 talc ore samples, 22 Q. Right, the roofing talcs were 23 right? 23 industrial, correct? 24 24 A. Yes. A. They were, yes. 25 Q. Dated 9/2/75, for asbestiform 25 Okay, alright. Let's do -- let's go Q. Page 163 Page 165 1 minerals, right? 1 to December and skip that one. Go to December 15. 2 A. Yes. 2 December 15, 1977, please sir. 3 They say, "In the entire series, we 3 (There is a discussion off the 4 found only two asbestiform fibers, both amphiboles. 4 record.) 5 One in sample N1 HC of a size equivalent to a 5 Alright. Sir, have you found O. 6 concentration of, approximately, .1 parts per 6 December 15, 1977? 7 million and one at sample 01 HC equivalent to, 7 A. Yes. 8 approximately, .3 parts per million," correct? O. Is that a document from the -- well, 9 A. Yes. 9 does it look like this? Yeah. 10 Q. Okay. So, again, these are two more 10 A. Yeah. 11 results for asbestiform, as they call it, which is 11 O. That's it. 12 asbestos, by the way, right? 12 This is a document from Mountain I wouldn't disagree with what we have 13 13 States Research and Development in Tucson, Arizona 14 there. It doesn't say "asbestos." 14 dated December 15, 1977 with the Johnson & Johnson 15 If it says -- sorry. Q. 15 Bates Stamp on it, correct? A. A. 16 We can only read what it says. 16 Yes. 17 Just to be clear, Johnson & Johnson Q. 17 MR. PANATIER: Okay. We offer this 18 agrees, if it says asbestiform, it's asbestos, 18 into evidence, your Honor. 19 right? 19 MS. SULLIVAN: No objection. 20 That would be the -- that would be THE COURT: Admitted. 20 21 the approach today, yes. I don't know what they 21 (Plaintiff's Exhibit 2669 was moved 22 meant in 1975. But that would be the approach 22 into evidence.) 23 today. I would agree today if I read that. 23 It says --24 Q. So are you saying you don't know what 24 THE COURT: What is the marking on 25 that was in --25 the document?

Page 166 Page 168 1 opaques," right? 1 MR. PANATIER: Sorry. 2669, your 2 A. Yes, that's what's written. 2 Honor, Exhibit 2669. 3 3 THE COURT: Thank you. Q. "The talc is associated mostly with 4 chloride, muscovite, hydromica, biotite, calcite and 4 BY MR. PANATIER: 5 tremolite," right? Q. And you see it's prepared for Windsor A. That's what's written. 6 Minerals? 6 7 7 Q. Alright. Let's just look at what A. Yes. 8 8 they say for those. "Actinolite, tremolite, zoisite Q. And, in fact, the title is, 9 and apatite are only trace minerals in the samples. 9 "Mineralogical Investigation of Three Main 10 Contaminating Rock Types in a Talc Deposit of 10 Tremolite is the only mineral of the above-mentioned 11 Windsor, Vermont." 11 ores which occur in minor amounts, four volume 12 percent Sample B. It also present in Sample A in 12 So we know this is Windsor's talc. This is 13 the talc that is being mined by Windsor which is 13 trace amount accompanied by actinolite. Tremolite 14 actinolite occurs in long prismatic needles." 14 owned by Johnson & Johnson, correct? 15 15 I know we've seen references to needles a Well, I don't know which mine this 16 number of times by now, correct? 16 relates to. It only says "of the talc deposit of 17 17 Windsor, Vermont." A. We have. 18 Q. Okay. And then it talks about the 18 Johnson & Johnson owns Windsor Q. 19 Minerals? 19 grain size of tremolite and actinolite. 20 Then on the very back page, it just 20 Yes, they --A. 21 gives us the percentages, tremolite actinolite in Right? 21 Q. 22 22 two of the samples, trace and 4 percent, right? A. Yes. 23 On that particular examination of the 23 A. So, if it's any talc being mined by Q. 24 rocks, yes. 24 Windsor, then it's something Johnson & Johnson owns? 25 25 A. Oh, I see, okay. I was thinking Q. Okay. Now, in fairness -- in Page 167 Page 169 1 Windsor is actually a place, that's where the mines 1 fairness, there are other talc deposits around the 2 are, in that location. 2 ones that Johnson & Johnson was mining in Vermont, Q. You see here where it says, 3 correct? 4 "Mineralogical investigation three main 4 Yes, as I recollect, there were A. 5 contaminating rock types the talc deposit of 5 something like 50 mines in the State of Vermont. 6 Windsor, Vermont," right? Q. Sure. It was talc heavy, right? 7 7 Yes, I'm thinking that's Windsor, A. Yes. A. 8 Vermont's place. 8 O. The reason I'm asking you about it is Okay. Is it your testimony that that 9 Johnson & Johnson, of course, had this, correct, do 10 would not include Hammondsville, it would not 10 you see that Bates Stamped? 11 include Argonaut? 11 A. 12 A. It might do, yeah. It might do. 12 Q. Okay. And there's an RVZ, Vern Okay. Okay. Well, let's see what it 13 Zeitz, right? 13 Q. 14 says. 14 A. 15 15 Okay. So this is something that A. Q. Yeah. Right. They said, "Purpose, to 16 Johnson & Johnson certainly had, correct? 16 17 determine the mineral composition of the samples in 17 Α. Yes. 18 particular respect to the transparent and opaque 18 Okay. In fairness, it doesn't Q. 19 contaminates intergrown with talc." 19 specify the exact mines that were being sampled, 20 Under "mineralogy" it says, "Talc is the 20 true? 21 second most abundant mineral in the samples." Oh, 21 A. No, it doesn't, no. 22 I'm sorry, just before that. 22 MR. PANATIER: Your Honor, one more 23 "Both chlorites are intergrown with other 23 document and then lunch break? 24 minerals such as talc, muscovite, hydromica, 24 THE COURT: Sure. 25 biotite, tremolite, apatite, rutile and other 25 (There is a discussion off the

Page 170 Page 172 record.) 1 1 product," right? 2 BY MR. PANATIER: 2 That's what's written. Α. The next one should be dated March 2, 3 Q. Another reference to needles, right? 4 March 2, '87. So that's probably going to be three 4 Α. 5 or four. Let me help you. Now, they're talking about the A. Uh-huh. 6 6 Raymond Mill and that is the specific mill that was 7 Q. This is three. Yeah, it will be at 7 being used by Johnson & Johnson for the cosmetic 8 the tail end of three. And this is Exhibit 2723. 8 talc, right? 9 March 4th, '87? A. 9 A. There was more than one Raymond Mill. 10 Raymond Mill it's a brand name, made by the Raymond 10 Q. This is March 2, '87. 11 A. March 2, '87, got it. 11 Company. And that mill is -- the ore went into 12 Q. You see that it's entitled 12 powder. But they also milled industrial as well as 13 "Mineralogical Report"? 13 cosmetic. 14 Yes. A. 14 Q. Okay. Were they using -- but to be 15 O. Have you seen this document before? 15 clear, okay, so that's a machine? 16 A. I don't think I have, no. 16 Yeah, it's a, you know, like a Ford 17 You and I can then decide if it's O. 17 car. It's a Raymond Mill. 18 relevant, okay? 18 Okay. Do you know whether or not 19 So you can see it says, "subject, 19 they used the same mill for the cosmetic and the 20 microscopic examination of various flotation, high 20 industrial? 21 intensity magnetic static and Archimedes spiral 21 A. I do know and they did not, 22 separator products of Windsor talc," right? 22 otherwise, that would be contamination. You'd avoid 23 A. Yes. 23 that. 24 Q. Now, the "flotation," we know that's 24 O. Okay. Let's go to the next page 25 the cosmetic talc, right, they didn't float the 25 tremolite. So, to be clear, Johnson & Johnson would Page 171 Page 173 1 industrial, right? 1 not want to mill the industrial with the cosmetic, 2 fair? 2 A. Correct. 3 Q. And you can see that the purpose was 3 A. No, you keep them separate. 4 "to determine any contaminating minerals in talc, Okay. Tremolite as an iron-poor Q. 5 concentrates and ore in particular respect to their 5 needle-type amphibole was detected only as to two or 6 tremolite content." 6 three small needles in the sand of the Raymond Mill 7 Now, it doesn't say "tremolite asbestos," 7 feed and one needle in the fourth cleaner 8 does it? 8 concentrate and tailings treated with sodium A. No. You read what is written. 9 silicate and citric acid. Tremolite is present in 10 Q. But they did a specific test to find 10 the fines minus 100 plus 200 mesh in 6 volume 11 out if there was tremolite to determine the content. 11 percent as free needles in the loose grain mounds. 12 right? 12 It was detected only as two or three small needles Someone did. I don't know who this 13 13 in the other products such as the high intensely 14 -- I'm trying to find out who the author is, but 14 magnetic static belt and Archimedes spiral 15 products." They found a lot of tremolite needles, 15 there's no author. 16 fair? Not all the documents that we got 17 from Johnson & Johnson list the author. 17 A. Well, they certainly -- they report 18 18 finding needles, yes --A. Okay. 19 Q. On the second page under "Discussion" 19 Q. Okay. 20 they're describing the preparation. They say, "In 20 A. -- tremolite. 21 this thin sections the talc plates show preferred 21 Throughout the process, right? Q. 22 orientation according to one of the pseudohexagonal 22 Yeah. I don't know what product they A. 23 edges of the plate. This may cause some difficulty 23 were milling, though. It doesn't say, does it? 24 in the immediate recognition of needle-type minerals 24 Q. Well, this is flotation. We know 25 such as tremolite actinolite contaminating the talc 25 it's cosmetic.

Page 174	Page 176
1 A. This looks like an experiment to me,	1 (Jury exits.)
2 but they floated. Yes, they were doing a flotation.	2 THE COURT: Thank you.
3 Q. They didn't float the industrial, did	3 We're off the record. I'll see
4 they?	4 everyone at 1:30.
5 A. Not in production, no, no.	5 (There is a discussion off the
6 Q. "Tremolite and serpentine are present	6 record.)
7 only in subtrace amounts in the flotation and other	7 MR. PANATIER: Your Honor, can I just
8 separation products, right?	8 offer 2723?
9 A. That's what's written.	9 MS. SULLIVAN: No objection.
Q. So the product still had the	THE COURT: Ercilyn, back on the
11 tremolite, right?	11 record.
12 A. Well, again, this looks to me like an	We're back on the record.
13 experimental study rather than production.	What are you offering into evidence?
Q. And they they, certainly, did do a	14 2723.
15 lot of experiments. We'll see in 1974 where they do	THE COURT: And there is no
16 an experiment to try to suppress the chrysotile	16 objection, so thank you.
17 that's present in the ore, correct?	17 (Plaintiff's Exhibit 2723 was moved
MS. SULLIVAN: Objection, foundation	18 into evidence.)
19 it's argument. That's not what the document said.	19 (Lunch recess taken 12:27 to 1:37
20 THE WITNESS: They did many	20 p m.)
21 THE COURT: Objection, overruled.	21 (Jury enters.)
22 You can answer.	THE COURT: Please be seated. Make
23 THE WITNESS: I'll say, correct, they	23 sure cell phones are turned off.
24 did many experiments over the years, many	Whenever you're ready, Mr. Panatier,
25 experiments.	25 you can continue.
Page 175	Page 177
1 BY MR. PANATIER:	1 MR. PANATIER: Thank you, your Honor.
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D 150	D 100
Page 178	Page 180 1 from '77 and then the second one from March of '87
1 document from Roger Miller to William C. Egan	2 where we had looked at what you said could be an
2 subject of which is process modifications? 3 A. Yes.	3 experiment where they were experimenting with
4 Q. Alright. And there's another note at	4 flotation with particle respect to the tremolite
5 the top. It says, "BS_" and that's, in all	5 content, correct?
6 likelihood, probably Bruce Semple, would that be?	6 A. That was '77?
7 A. He was there in '87. I don't whether	7 Q. That was '77: '82, I'm sorry. So
8 that was him or not.	8 we have '77 and then we have '80 sorry '87 '77
9 Q. Okay. It's not really important.	9 and '87
10 The handwritten note is not super important.	10 A. Yes.
11 MR. PANATIER: Your Honor, we offer	11 Q right?
12 this in evidence.	Now, this document is July 23rd of '87 the
13 MS. SULLIVAN: No objection.	13 one that I've just given to you, right?
14 THE COURT: Admitted.	14 A. Yes.
15 (Plaintiff's Exhibit 3695-30 was	15 Q. Okay. And what they say there in the
16 moved into evidence.)	16 first paragraph is, "Working with Mountain States
17 BY MR. PANATIER:	17 Research or Vail, Arizona, we have tested in their
18 Q. Okay. And just to give us a	18 laboratories and confirmed by plant trials here at
19 framework of what we were talking about. There were	19 West Windsor the efficacy of sodium silicate as a
20 two documents. One was this document from	20 modifier, disbursing agent, to enhance the rejection
21 December 15th, 1977 where Mountain States Research	21 of deleterious mineral species in our process." Do
22 had done some work for Windsor Minerals, right?	22 you see that?
23 A. Yes, they had done some geological	23 A. Yes.
24 reports, yes.	24 Q. "Deleterious" means could be bad,
25 MS. SULLIVAN: I'm sorry, Counsel.	25 damaging, something you don't want, right?
Page 179	Page 181
Page 179 1 THE COURT: Sidebar. Take your	Page 181 1 A. Something you don't want.
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Page 182 Page 184 1 Q. And are you aware of any other -- any 1 Q. Sure. Whether it's the company or 2 other testing that was done by this institution in 2 somebody they hire to do the research, they're 3 Arizona for Johnson & Johnson other than what I've 3 interested in information about how their products 4 just shown you? 4 are used, correct? A. I'm not aware of, no. Yes. THE COURT: For the record, where did 6 Okay. So, look, on this one I asked 6 O. 7 you put those documents? 7 you about sheets, people using it on their sheets. 8 MR. PANATIER: In the inbox. 8 So look at Page 8, please. THE COURT: Thank you. Do you see here it says, "It is not 10 BY MR. PANATIER: 10 surprising that during the warm and humid summer Okay. I'm going to take us back to 11 months, powder usage is said to be remembered and 12 powder in the sheets. I'm going to try again. 12 used with greater frequently. During the warm 13 And perhaps we can -- well, here, 13 months a few woman said that they used powder in 14 I'll hand you a copy of this. 14 between showers and also sprinkle powder between 15 MR. PANATIER: And, for the record, 15 sheets." 16 this document is 1996. It will be 3695-29. 16 So Johnson & Johnson was, certainly, 17 Q. Here you go, sir. 17 aware that some customers did this as a use of their 18 This one? A. 18 product, correct? 19 O. This one right here, yeah. 19 A. Well, that's of 1996, that's -- yeah. 20 MR. PANATIER: Here you go, your 20 Q. Right? 21 Honor. 21 A. Yes. 22 THE COURT: Thank you. 22 Q. And then if you'll turn to Page 10. 23 MR. PANATIER: Sure. 23 "Apart from the desire to want their own brand of 24 Q. And, sir, you see that this has the 24 powder, many of the Shower to Shower users inherited 25 J&J Bates Stamp on it? 25 the product ritual from their mothers. Even a Page 183 Page 185 1 A. Yes. 1 relatively young user said that she had first tried 2 Q. It's dated 1996? 2 Shower to Shower because her mother was using it. 3 A. Yes. 3 And quickly began to use it more regularly and then It says, "Shower to Shower O. 4 went to purchase her own. So was the case for a 5 confidential." It says, "Qualitative Research 5 majority of these woman who had first become aware 6 conducted on behalf of Johnson & Johnson consumer 6 of Shower to Shower right at home and then continued 7 products, Inc.," correct? 7 quite loyally, it appears, to maintain their usage 8 Α. Yeah. 8 over a period of years." MR. PANATIER: Okay. And, your 9 And my question is, Johnson & Johnson 10 Honor, we offer this into evidence as Exhibit 10 certainly doesn't disagree that a lot of users of 11 3695-29. 11 the products got it -- started using it because a 12 MS. SULLIVAN: And, your Honor, I'm 12 parent was using it on them or was using it in their 13 going to object, hearsay. It's an outside company's 13 company, fair? 14 document. 14 A. That's not an unreasonable 15 MR. PANATIER: It goes to notice, 15 conclusion. 16 your Honor. 16 Q. Alright. Sir, that's all I have. 17 THE COURT: I'll allow it as to 17 So Johnson & Johnson, certainly, understood 18 that people would sprinkle it in their sheets, at 18 notice only. MS. SULLIVAN: Thank you. 19 19 least, by '96, right? 20 BY MR. PANATIER: 20 A. Yes. By '96, yes. 21 So sometimes the company will do 21 Q. And at no point did Johnson & Johnson 22 market research, they'll have prospective customers 22 ever put out information whether it be on a package, 23 come in and they'll survey them, right? 23 in a commercial or anything like that, that said, Well, usually, the company doesn't. 24 here's a use we're aware of, don't sprinkle this in 25 It's an agent that would do it in this case. 25 your sheets, right?

		Daga 196		Daga 100
1	A.	Page 186 I'm not aware of that.	1	Page 188 the truth about whether or not asbestos had been
2	Q.	Is there any reason that a person		detected in powders when he was defending the
3	_	sprinkle it into their sheets?	1	company publically.
4	A.	Again, I'm not aware that they	4	- · · ·
5		They're still getting it on their body.	5	No. 3 (The Judge reads to herself out loud.)
6	Q.	Let's jump ahead.	6	
7		This is dated July 23, 1987. So, if	7	THE COURT: And your objection is?
8		ind your binder with '87.	8	MS. SULLIVAN: Yes.
9	A.	Yeah.	9	THE COURT: I can't hear you.
10	Q.	Do you have it?	10	MS. SULLIVAN: It's the record, I'm
11	Ä.	I do.	11	objecting to hearsay (INAUDIBLE) to test.
12	Q.	Okay. Great. This is Exhibit 3446.	12	
13	And do y	ou see that this is if you turn the page	13	the text. That's fine.
	-	oks like this.	14	THE COURT: Okay. So I'll allow the
15	A.	Yes.	15	statement as to the interest and whether you don't
16	Q.	The third page in?	16	use the test (INAUDIBLE) and I'm going to admit it
17	A.	Uh-huh.	17	for purposes of completeness
18	Q.	It's an affidavit of Roger Miller,	18	MS. SULLIVAN: (INAUDIBLE.)
19	right?		19	MR. PANATIER: Fine. I'll show it.
20	A.	It is.	20	(Sidebar ends.)
21	Q.	Roger Miller was the President of	21	THE COURT: Okay. This document is
22	Windsor	Minerals, which was the company owned by	22	now admitted.
23	Johnson &	& Johnson?	23	MS. SULLIVAN: Thank you, your Honor.
24	A.	It was.	24	(Plaintiff's Exhibit 3446 was moved
25	Q.	And do you see that he filled out a	25	into evidence.)
		D 107		
		Page 187		Page 189
1	sworn aff	idavit?	1	BY MR. PANATIER:
1 2	A.	idavit? Yeah, he appears to, yes.	2	BY MR. PANATIER: Q. Alright. Sir, so if you go to
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Q. of July, 1 A. Q. affidavit in right? A. this into each Honor an lawsuits. sidebar.	Yeah, he appears to, yes. Okay. He signed it on the 13th day 987, true? Yes. And back on the front where his is, he signed this in Middlesex County, Yes. MR. PANATIER: Your Honor, we offer evidence. MS. SULLIVAN: It's hearsay, your d unrelated. It looks like unrelated THE COURT: How about we do this at (Sidebar.) THE COURT: What is the purpose for u are offering this into evidence? MR. PANATIER: Yes, your Honor, this	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. PANATIER: Q. Alright. Sir, so if you go to Paragraph 1, Mr. Miller says, "I'm the president of Windsor Minerals, Inc., and I've held that position since 1968 when Windsor Minerals, Inc., was first formed. The exclusive business of Windsor Minerals is and has been over the last 18 years the mining and milling of talc from a single milling district in Windsor, Vermont." Now, the last 18 years, so he's referencing the full-time, isn't he? A. Yes. Q. Right? He's not referencing a specific date, true? A. Yes. Q. Okay. "That mining district is the exclusive source of talc for all of the Johnson's Baby Powder sold in the United States. In addition to supplying the talc for Johnson's Baby Powder, Windsor Minerals, Inc., also sells a portion of its
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Q. of July, 1 A. Q. affidavit is right? A. this into 6 Honor an lawsuits. sidebar. which you is first Plaintiff's (INAUDI	Yeah, he appears to, yes. Okay. He signed it on the 13th day 987, true? Yes. And back on the front where his is, he signed this in Middlesex County, Yes. MR. PANATIER: Your Honor, we offer evidence. MS. SULLIVAN: It's hearsay, your d unrelated. It looks like unrelated THE COURT: How about we do this at (Sidebar.) THE COURT: What is the purpose for u are offering this into evidence? MR. PANATIER: Yes, your Honor, this of all, this would be an admission in interest. It's also an admission from (BLE) Stork by Johnson & Johnson. And the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22	BY MR. PANATIER: Q. Alright. Sir, so if you go to Paragraph 1, Mr. Miller says, "I'm the president of Windsor Minerals, Inc., and I've held that position since 1968 when Windsor Minerals, Inc., was first formed. The exclusive business of Windsor Minerals is and has been over the last 18 years the mining and milling of talc from a single milling district in Windsor, Vermont." Now, the last 18 years, so he's referencing the full-time, isn't he? A. Yes. Q. Right? He's not referencing a specific date, true? A. Yes. Q. Okay. "That mining district is the exclusive source of talc for all of the Johnson's Baby Powder sold in the United States. In addition to supplying the talc for Johnson's Baby Powder, Windsor Minerals, Inc., also sells a portion of its products to independent industrial users." So he's including in this paragraph everything they sell, their baby powder talc and
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Page 190 Page 192 1 a portion of it's product to industrial uses. 1 indicates asbestos free in the product that is sold. As well as the baby powder, correct? 2 We've seen some results on industrial talcs that 2 Q. 3 A. As well as the baby powder. 3 don't demonstrate that. 4 Q. They didn't sell any other products. 4 Q. We've seen the HC samples that show 5 He's listed everything they sold, right? 5 asbestos, correct? They sold industrial and they sold A. We've seen it. 6 7 7 cosmetic talc, yes. Q. Hold on. It's one question. 8 Q. My question is, has he listed 8 A. Sorry. I thought you had finished. 9 everything that Windsor Minerals sold between the 9 Q. We've seen the HC samples that show 10 cosmetic and the industrial? 10 asbestos, right, 1975, right? 11 A. Yes. 11 A. Yes. 0. 12 O. Okay. Let's go to the next page. 12 We've seen GI and WI, those are 13 And, again, you understand this was -- this 13 industrial, correct, at least, as of this year those 14 was in a case called Edly versus Windsor Minerals? 14 were industrial, right? 15 Do you see that on the front? 15 A. I believe so, yes. A. 16 Q. Right? We saw them again in 16 Yes. 17 November. Over and over and over again. And those 17 Q. And you see here it says it's sworn? 18 This is a sworn statement? 18 were written, sir, to who? 19 19 A. Yes. A. To whom? 20 Okay. Let's go to what he says last. 20 Q. Q. Yeah. They were written to Windsor 21 "All of the talc mind by Windsor Minerals, Inc., 21 Mineral, right? 22 whether it is ultimately sold to industrial users or 22 A. Yes. 23 used in Johnson's Baby Powder is sampled and tested 23 Q. This is the President of Windsor 24 for the presence of asbestos. No evidence of the 24 Mineral in a lawsuit saying, no evidence of the 25 presence of asbestos in Windsor Minerals' product 25 presence of asbestos in Windsor Minerals' product. Page 191 Page 193 And he included -- I asked you, he included 1 1 has ever been revealed by this testing." Did he say 2 that? 2 everything they'd ever sold, cosmetic and 3 3 industrial, has ever revealed or been revealed by A. You read what he wrote. 4 this testing. 4 Q. And he attached a recent test, right? 5 Right? 5 Here's the question. Was that true or was 6 that false? A. Yes. 7 7 A. Q. He attached one test from -- that On the face of it, it does not appear 8 to be true. 8 looks like -- I don't know that this is a year yet. 9 We probably have a few thousand years to go, but I 9 Q. So that makes it what? 10 think that's 1987, right? 10 A. Unless we've got other evidence. On 11 the face of it, it would not be true. Unless --11 A. Yes. 12 Q. He attaches one test, does he not? 12 O. Which would make it? 13 A. It would make it false, unless there 13 A. Exhibit A is one page. 14 Okay. Alright. This statement was 14 is other evidence that we don't have here. Q. 15 But this -- well, presumably, sir, Q. 15 false, correct? 16 Mr. Miller had all the evidence at his disposal, did 16 Well, the statement -- I'm not going 17 he not? 17 to comment on whether it was false or true. It's 18 A. In 1987? 18 for Roger Miller to comment. 19 No. It's for you to comment. You're 19 Q. Yeah. 20 He must have been a very old man in 20 here for Johnson & Johnson and Johnson & Johnson was A. 21 1987. I'm sure he long retired. 21 using this talc. So my question is, was Mr. Miller 22 Q. I didn't ask you his age. 22 being truthful or was he being untruthful? 23 A. I don't know if he had the evidence 23 Well, okay, let's go through that 24 at his disposable -- at his disposal. 24 sentence, if I may. Industrial users or use in baby 25 Q. Sir, this is the President of Windsor 25 powder. The baby powder testing that is available

Page 194 Page 196 1 Minerals in 1987. No one -- you wouldn't expect 1 about this, did they run it over to the FDA? 2 anybody at the company to have more access to the 2 I don't know. A. 3 information of that company than him, correct? 3 Q. Because the only thing that was You would expect him to be able to 4 published when she published it was the article, not 4 5 access, if he requested it. 5 the key, correct? That was stated publically, correct, The article was published. The key 6 Q. A. 7 appears many years later, as I understand it. But 7 in a lawsuit, right? 8 A. It is. The document states what it 8 the article stands by itself. 9 states. So, in the article where it says that Q. 10 Q. The documents we had going directly 10 there were needles and fibers in Sample I, if you're 11 to them in the '70s were internal, correct? 11 just looking at the article, you have no idea what 12 12 Sample I is, correct? A. Yes. 13 Q. Do you know what happened to that 13 A. Correct. 14 person's lawsuit as a result of Mr. Miller's 14 Q. But looking at the key, you do know, 15 affidavit? 15 because it says what Sample I is, right? 16 Α. No. The key states samples A, B, C, D, E, 16 17 down to I. It does state what Sample I is on that 17 Q. Is there any excuse to not be 18 truthful ever? 18 key. 19 MS. SULLIVAN: Objection. 19 Q. And you know that -- and, by the way, 20 Everyone should also aim to speak the 20 is this Dr. Blount? 21 truth. 21 A. Yes, she had a Ph.D. in mineralogy. 22 Q. Whether they're under oath or not? 22 O. This is also in evidence. This is 23 23 Exhibit 3191. This is another copy of her letter. A. 24 Q. And he was under oath, wasn't he? 24 And, of course, this was produced by J&J. Can you 25 I believe so, yes. 25 see that? A. Page 195 Page 197 A. Yes. 1 Q. And that is -- you understand that is 1 2 perjury, do you not? 2 Q. By the way, the first one was 3 A. I do. 3 produced by Johnson & Johnson, too. Do you see 4 that? 4 Okay. Alright. Q. 5 (There is a discussion off the 5 A. Yes. 6 6 Q. Meaning that Johnson & Johnson had 7 MR. PANATIER: This is 1991. This is 7 the key, correct? 8 8 already in evidence. It's Exhibit 3390. This is A. There is a key. 9 the Blount paper, your Honor. 9 Q. Right. You see the Bates Stamp at 10 Q. Sir, you know who Alice Blount is, 10 the bottom of the key? 11 A. There is a key. 11 correct? 12 A. Yes. 12 Q. So the key -- key is in the inbox, I'll just put it up here. It's 13 right, because that is something that Johnson & 13 Q. 14 Johnson had, true? 14 already in evidence. 15 15 A. Well, the key is in the Johnson & A. Okay, yes. 16 Q. She published this paper in 1991, 16 Johnson files. A key is in the Johnson & Johnson 17 right? 17 files. 18 She did publish that paper in 1991, 18 Okay. And you know that in 1992, one A. 19 yes. 19 year after the paper came out -- so not many years 20 We know that per her key and her 20 later, but one year after the paper came out, she 21 letters, we know that she tested Johnson's Baby 21 wrote to Luzenac, correct? 22 Powder, correct? 22 A. I can't remember that, but refresh 23 me. 23 In the report she states that she A. 24 tested baby powder, yes. 24 Q. It's right up there. MS. SULLIVAN: Objection. Can I get 25 25 Now, when Johnson & Johnson found out

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1 a copy, Counsel?	1 CERTIFICATION
2 MR. PANATIER: Sure. This is	2
3 Exhibit 3191. That's correct. This is from 1992,	3 I, SILVIA P. WAGE, C.S.R., License Number
4 right.	4 30X100182700, a Certified Court Reporter in and for
5 BY MR. PANATIER:	5 the State of New Jersey, do hereby certify the
6 Q. And Luzenac yes?	6 foregoing to be prepared in full compliance with the 7 current Transcript Format for Judicial Proceedings
7 A. So is this in here?	7 current Transcript Format for Judicial Proceedings 8 : non-compressed transcript
8 Q. Yes, sir. It is in there. It will	9 dge and ability.
9 be under the tab that is 1992, if you want to look	10 dgc and domity.
10 at it. It's, also, up on the board if you would	11 7 10 0
11 like to reference it there.	. Conook
Do you have it, sir?	12 SILVIA P. WAGE JULY 22, 2019
13 A. Yes, I do.	13 CERTIFIED COURT REPORTER DATE
14 Q. Okay, good.	14 MIDDLESEX COUNTY COURTHOUSE
So she writes and by the way, she	15
16 was at the Newark Museum at that time. Do you see	16
17 that?	17
18 A. Yes.	18
19 Q. Okay. And there's her signature down	19
20 there. She was a consultant to Johnson & Johnson,	20
21 correct?	21
22 A. Johnson & Johnson had used her on	22
23 isolated occasions as a consultant, correct.	23
Q. They had paid for a lot of herresearch, correct?	24 25
23 Tesearch, correct?	23
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1 A. I don't know how much they ever paid,	
2 but they had used her on occasions as a consultant	
3 for her mineralogical ability.	
4 Q. Sure. And I don't know how much they	
5 paid her either. 6 A. No.	
 A. No. Q. But my question wasn't how much they 	
8 paid her.	
1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	
9 My question was, she was paid by them 10 for her research, correct?	
11 A. Again, I don't know how often or on	
12 what occasion. She was a consultant. I know no	
13 more than that, whether it was one off, two off,	
14 three off. But she did some consultancy.	
15 Q. I'm not asking how much she did or	
16 how much she got paid.	
17 By being a consultant, that meant she was	
18 paid, right?	
19 A. Yes.	
20 Q. That's all I'm asking.	
21 A. Okav.	
21 A. Okay. 22 (Continuation of the day's	
22 (Continuation of the day's	

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Exhibit 200

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Office Address & Tel. No.: 2 Lincoln Highway, Edison, New Jersey 08818-2905

(201)494-2727

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Plaintiff

LOUIS EDLEY

SUPERIOR COURT OF NEW JERSEY LAW DIVISION

MIDDLESEX COUNTY

Plaintiff(s)

Defendant(s)

E & B MILL SUPPLY, et als

DOCKET NO. L-075913-86

CIVIL ACTION

Stipulation of Dismissal

with prejudice

(as to defendant, Windsor Minerals, Inc.)

The matter in difference in the above entitled action having been amicably adjusted by and between the parties, it is hereby stipulated and agreed that the same be and it is hereby dismissed without costs against either party, with prejudice as to defendant, Windsor Minerals, Inc.

July 23, Dated:

By ...

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RONALD B. GRAYZEL

Attorney(s) for Plaintiff(s)

LOUIS EDLEY

CONVENIENT TOCA BY ALL CTATELOGIC CURRINGS

OF CTIDE!! ATION OF DICHICCAL

RONALD S. LEVITT

Attorney(s) for Defendant(s)

WINDSOR MINERALS, INC.

NEWMAN, HERMAN, SALTMAN, LEVITT AND FEINSON

A PROFESSIONAL ASSOCIATION

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ROBERT J. PINTO

July 23, 1987

Ronald B. Grayzel, Esq. Levinson, Conover, Axelrod, Wheaton & Grayzel Lincoln Plaza, 2 Lincoln Highway PO Box 2905 Edison, New Jersey 08818-2905

RE: Edley -v- Madsen & Howell, Windsor Minerals, Inc., et als

Dear Mr. Grayzel:

Enclosed please find an Affidavit on behalf of Windsor Minerals, Inc., signed by Roger N. Miller, President of Windsor Minerals, Inc. since 1968. Also enclosed you will find an assay from McCrone Environmental Services, Inc. I trust that these documents will now enable you to sign a Dismissal as was done in the Yuhas file. I have taken the liberty of drafting the Dismissal and enclosing the same for your signature along with a self-addressed stamped envelope.

If you are still unable or unwilling to sign the Dismissal, please forward immediately your client's answers to supplemental interrogatories which were served upon you almost one year ago.

Very truly yours,

Ronald S. Levitt

RSL/gbf Encl.

cc: Michael M. Tanenbaum, Esq., McCarter & English
Thomas M. Kelly, Esq., Morley, Cramer, Tansey, Haggarty & Fanning
Anthony Luongo, Esq., Donington, Leroe, Toland & Luongo

Certified Mail, Return Receipt Requested

Please Reply To:

P.O. Box 769
East Windsor, New Jersey 08520

New Brunswick Office: 47 Paterson Street (201) 745-9005

East Windsor Office: 339 Princeton-Hightstown Road (609) 443-4900

Somerville Area:
By Appointment Only
(201) 725-4257

OUR FILE NO. 11092-L

LOUIS EDLEY,

Plaintiff,

vs.

WINDSOR MINERALS, INC.; NICOLET, INC., as Successor- : CIVIL ACTION in-Interest to Keasby & Mattison; GAF CORP., RUBEROID, : GAF CORP., as Successor-in-Interest to Ruberoid; MADSEN & HOWELL, INC.; JOHN DOE #1 to #50 (Fifty Unidentified Manufacturers and Distributors : of asbestos-containing products),

Defendants.

SUPERIOR COURT OF NEW JERSEY LAW DIVISION MIDDLESEX COUNTY

: DOCKET NO. L-075913-86

AFFIDAVIT

STATE OF VERMONT :

SS.

COUNTY OF WINDSOR :

ROGER N. MILLER, of full age, being duly sworn, according to law, upon his oath, deposes and says:

- 1. I am the President of Windsor Minerals, Inc. and have held that position since 1968 when Windsor Minerals, Inc. was first formed.
- The exclusive business of Windsor Minerals, Inc. is, and has been for the last eighteen years, the mining and milling of talc from a single mining district in Windsor,

Vermont. That mining district is the exclusive source of talc for all of the Johnson's Baby Powder sold in the United States. In addition to supplying the talc for Johnson's Baby Powder, Windsor Minerals, Inc. also sells a portion of its product to independent industrial users.

3. All of the talc mined by Windsor Minerals, Inc., whether it is ultimately sold to industrial users or used in Johnson's Baby Powder, is sampled and tested for the presence of asbestos. No evidence of the presence of asbestos in Windsor Minerals' product has ever been revealed by this testing. Attached hereto as Exhibit "A" is a true copy of a recent report of such testing.

ROGER N. MILLER

Sworn to and subscribed before me this /3 day of July, 1987.

alice J. Bean

Notary Public

My Commission Expires:

Feb. 10, 1991

Exhibit 201

RECO. & FILL BUPERIOR COULD DE NEW JERSEY

JAN 13 1987 M.V. 24 DHN M. MAYSOM CLERK

Attorney(s):

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Office Address & Tel. No.:

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Attorney(s) for Plaintiffs

(201) 494-2727

ALEX YUHAS and JEAN YUHAS,

his wife

Plaintiff(s)

vs.

E & B MILL SUPPLY, et als.

Defendant(s)

SUPERIOR COURT OF NEW JERSEY

MIDDLESEX

COUNTY

LAW

DIVISION

WHEATON

DOCKET NO. L-029706-84

CIVIL ACTION

Stipulation of Dismissal

with prejudice

(as to defendant, Windsor Minerals, Inc.)

The matter in difference in the above entitled action having been amically adjusted by and between the parties, it is hereby stipulated and agreed that the same be and it is hereby dismissed without costs against either party.

Dated:

January 6

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NEWMAN, HERMAN, SALTMAN, LEVITT

r fealn**a**oi

By CCTO

Edward H. Herman Attorney(s) for Defendant(s) Windsor

Minerals, Inc.

LEVINSON, CONOVER, AXELROD

Romald B. Grays

Attorney(s) for Plaintiff(s)

Exhibit 202

```
1
    IN THE CIRCUIT COURT OF THE CITY OF ST. LOUIS
                 STATE OF MISSOURI
 2
 3
    VICKIE FORREST, et al.,
 4
              Plaintiffs,
 5
                                   Cause No.
              vs.
                                   1522-CC0419-02
 6
    JOHNSON & JOHNSON, et al.
 7
              Defendants.
8
9
           UNITED STATES DISTRICT COURT
              DISTRICT OF NEW JERSEY
10
11
    IN RE: JOHNSON & JOHNSON MDL NO:
12
    TALCUM POWDER PRODUCTS
                                   16-2738 (FLW)(LGH)
    MARKETING, SALES PRACTICES,
13
    AND PRODUCTS LIABILITY
    LITIGATION
14
15
             Wednesday, June 30, 2021
16
17
18
              Continued Videotaped Oral Deposition of
19
    JOHN C. O'SHAUGHNESSY, taken at the Crowne Plaza
20
    Princeton, 900 Scudders Mill Road, Plainsboro, New
21
    Jersey, commencing at 9:35 a.m., by and before Robin
22
    L. Clark, Registered Professional Reporter and
23
    Notary Public in and for the State of New Jersey.
24
```

BY: CHRISTOPHER M. PLACITELLA, ESQ. 9	
LEVIN, PAPATONIO, RAFFERTY, PROCTOR, BY. CHRISTOPHER V. TISI, ESQ.	ANCES, continued:
24 JOEL SCHNEIDER, USMJ (Retired) Page 421 1 ALSO PRESENT, continued: WILLIAM GEIGERT, VIDEOGRAPHER MICHAEL KUTYS, EXHIBIT TECH REMOTE APPEARANCES: BEASLEY, ALLEN, CROW, METHVIN, PORTIS & For the D BY: LEIGH O'DELL, ESQ. MILES, P.C. BY: LEIGH O'DELL, ESQ. Montgomery, Alabama 36104 8 800-898-2034 leigh.odell@beasleyallen.com For the Plaintiff, Vickie Forrest Page 421 REMOTE APPEARA FAEGRE DRIN 3 BY: SUSAN M 600 Campus Dri 4 Florham Park, N susan.sharko@fs 5 973-549-7000 For the D Johnson SEYFARTH SH BY: THOMAS 975 F Street, N. 9 Washington, D. 202-828-5376	BEVIS, ESQ. et gia 30060 awgroup.com rlaintiffs ALCAGNIE, INC. EVE OUTLAW, ESQ. laza Drive a, California 92660 asonfirm.com rlaintiffs in JCCP 4872 E, BURCH, GARRARD & ASHLEY, PC a BANKESTER PITTARD, ESQ. HRAMM, ESQ. lge Parkway Llabama 35209 com ga.com MDL Plaintiffs RPS, SLATE, MEAGHER & FLOM LLP INE I. MULLALEY, ESQ. treet chusetts 02116 Skadden.com Defendant,
1 REMOTE APPEARA WILLIAM GEIGERT, VIDEOGRAPHER MICHAEL KUTYS, EXHIBIT TECH REMOTE APPEARANCES: BEASLEY, ALLEN, CROW, METHVIN, PORTIS & For the D Selegible of the Montgomery, Alabama 36104 8 800-898-2034	Page 423
12 ASHCRAFT & GEREL, LLP BY: MICHELLE A. PARFITT, ESQ. 13 1825 K Street, N.W., Suite 700 Washington, D.C. 20006 14 202-759-7648 mparfitt@ashcraftlaw.com 15 For the Plaintiff, Vickie Forrest 16 17 COHEN, PLACITELLA & ROTH BY: DENNIS M. GEIER, ESQ. 18 and HARRY M. ROTH, ESQ. 19 Red Bank, New Jersey 07701 19 Red Bank, New Jersey 07701 18 ASHCRAFT & GEREL, LLP Appearing 12 Asppearing 11 Care Products C 12 BY: ELIZABE 13 TUCKER ELLI 14 100 South 4th Si St. Louis, Misso 15 314-571-4969 elizabeth.cummi elizabeth.cummi 16 For the Do Royston, LLC at 17 Red Bank, New Jersey 07701 18 ALSO PRESENT:	RINKER BIDDLE & REATH LLP N M. SHARKO, ESQ. s Drive rk, New Jersey 07932 o@faegredrinker.com 00 he Defendant, Johnson & H SHAW LLP HAS T. LOCKE, ESQ. r, N.W. , D.C. 20004 76 farth.com aring on behalf of Personal ets Council LLIS, LLP ABETH J. CUMMINGS, ESQ. th Street lissouri 63102 69 mmings@tuckerellis.com he Defendants, PTI LC and PTI Union, LLC AHAN, Paralegal ST, Paralegal

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¹ A. One or two?	¹ 1060A.
Q. Yeah, hold on. It's 1060 in	² BY MR. PLACITELLA:
³ the transcript book. It says trial	Q. You know what, we'll come back
4 testimony in the Barden case and I'll put	4 to it, because I'm trying to get this done
⁵ it up. And I'll put it up on the screen	⁵ today. Did John Hopkins ever have a
⁶ for you, if you need to look at it later	⁶ conversation with you and tell you that
MS. BROWN: Well, can he	⁷ affidavits like this were untrue?
	8 A. I had many conversations with
review, hear the entirety of the	⁹ John. I never had a discussion with him
testimony? MR. PLACITELLA: The	about an untrue affidavit.
whole transcript, I think we don't	Q. Okay. III 188, do you see where
nave time for that, but	Johnson & Johnson told Mr. Grayzel that
MS. DROWN. I wallt to	they wanted a dismissal in this case just
Know where this is tarked about on	like he gave in the other cases?
redirect.	A. Can you put it up? I'm having
MR. PLACITELLA: You can	J
ask him all that on redirect.	Q. That's okay, I put it right in
MS. BROWN: Are you	¹⁸ front of you.
putting that up or can he	MS. BROWN: So, John, if
MR. PLACITELLA: I'm	you want the hard copy, I think we
putting the whole document into	are now back in binder one and
evidence, so no problem.	we're looking at 188, which you
THE WITNESS: I'm just	probably still have open or close
trying to find the document.	to open.
Page 47	7 Page 479
	¹ MR. PLACITELLA: You can
MR. PLACITELLA: I put it up on the transcript	look at the hard copy, but I'm
³ MS. BROWN: Right, I	not
	THE WITNESS: You know,
just wanted to go to the document and see the cover sheet. Oh, that	part of the problem is, it says
single sheet is the exhibit?	oo, out there's a nandwritten one
	and that gets confusing.
(Transcript of John Hopkins	DI WIR. I ENCITEEET.
marked O Shaughnessy Exhibit 1000	Q. Tunderstand.
for identification.)	A. I got it. I got it.
	Q. Do you see where it says 1
BY MR. PLACITELLA:	12 trust these documents will now enable you
13 O Vos sir I'll put the whole	¹³ to sign a dismissal." And when they say
Q. Yes, sir. I'll put the whole	
¹⁴ transcript into evidence.	¹⁴ these documents, they're talking about the
transcript into evidence. A. Okay.	these documents, they're talking about theMiller affidavit, right?
transcript into evidence. A. Okay. MS. BROWN: I'll just	these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object,
14 transcript into evidence. 15 A. Okay. 16 MS. BROWN: I'll just 17 object to selective reading	 these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object, foundation.
14 transcript into evidence. 15 A. Okay. 16 MS. BROWN: I'll just 17 object to selective reading 18 THE WITNESS: I'm just	 these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object, foundation. BY MR. PLACITELLA:
transcript into evidence. A. Okay. MS. BROWN: I'll just object to selective reading THE WITNESS: I'm just trying to go to your sheet.	 these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object, foundation. BY MR. PLACITELLA: Q. "As was done in the Yuhas
transcript into evidence. A. Okay. MS. BROWN: I'll just object to selective reading THE WITNESS: I'm just trying to go to your sheet. MS. BROWN: of this	these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object, foundation. BY MR. PLACITELLA: Q. "As was done in the Yuhas file". Do you see that?
transcript into evidence. A. Okay. MS. BROWN: I'll just object to selective reading THE WITNESS: I'm just trying to go to your sheet.	these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object, foundation. BY MR. PLACITELLA: Q. "As was done in the Yuhas file". Do you see that? A. Yes, you read that to me
transcript into evidence. A. Okay. MS. BROWN: I'll just object to selective reading THE WITNESS: I'm just trying to go to your sheet. MS. BROWN: of this	these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object, foundation. BY MR. PLACITELLA: Q. "As was done in the Yuhas file". Do you see that?
14 transcript into evidence. 15 A. Okay. 16 MS. BROWN: I'll just 17 object to selective reading 18 THE WITNESS: I'm just 19 trying to go to your sheet. 20 MS. BROWN: of this 21 questioning. That's incomplete.	these documents, they're talking about the Miller affidavit, right? MS. BROWN: I object, foundation. BY MR. PLACITELLA: Q. "As was done in the Yuhas file". Do you see that? A. Yes, you read that to me

Page 480 ¹ of no asbestos being in the Johnson & ¹ documents, McCrone test results that were ² Johnson tale, right? ² provided predating the Edley report, the ³ Edley affidavit with one exception. And MS. BROWN: Lacks foundation, I object. there's a copy for you behind you. THE WITNESS: I don't MS. BROWN: Okay. Can 6 6 know. we hang on, so we can grab copies BY MR. PLACITELLA: of this? Q. Okay. Whatever happened to the MR. PLACITELLA: Yeah, 9 Yuhas file, do you know? there's McCrone 1 and 2 and there's 10 10 A. I have no idea. That was a copy behind you as well on the 11 radiator. before my time. 12 12 Q. Do you know what happened to MR. BERNARDO: All 13 ¹³ the Edley file? right. Chris, McCrone 1 and 2? 14 A. No. MR. PLACITELLA: 15 15 Q. Going back to the report in Correct. ¹⁶ 188.5, that talks about no quantifiable 16 MR. BERNARDO: Thanks. 17 evidence? 18 18 A. Okay. (McCrone Binders marked 19 Q. Okay. Are you aware that the O'Shaughnessy Exhibits JOS 1 and 2 20 term "nonquantifiable" does not mean for identification.) 21 asbestos free as Mr. Miller actually states? BY MR. PLACITELLA: 23 MS. BROWN: I object. Q. And can you, in McCrone number 24 That misstates the evidence and 1, can you go to Exhibit 180.2? Page 481 Page 483 lacks foundation. A. Got it. 2 2 THE WITNESS: I'm not MR. COX: I have 180. 3 3 competent to interpret what that MS. BROWN: Oh, the second page of 180. term means. 5 BY MR. PLACITELLA: MR. PLACITELLA: It 6 says, I put numbers so people can Q. Did you know that that was a code word for not reporting the actual test see it. results? MS. BROWN: We got it. 9 MS. BROWN: Objection. BY MR. PLACITELLA: 10 10 Misstates the evidence, the facts, Q. You can see that this report is 11 from August 1985, correct? lacks foundation. 12 12 A. That's what it says here. THE WITNESS: I never 13 13 heard anything about a code word. Q. Okay. And that was -- and it's a letter from McCrone, correct? BY MR. PLACITELLA: 15 Q. Did you ever see any of the A. That's right. 16 ¹⁶ Johnson & Johnson, McCrone, the test Q. All right. And that predates results that McCrone did for Johnson & the Miller affidavit, correct? ¹⁸ Johnson before 1988? 18 MS. BROWN: Object as 19 A. I've seen some testing lacking foundation. documents and I think I've seen some from THE WITNESS: It's 1985. ²¹ McCrone, the date of which I'm not sure. ²¹ BY MR. PLACITELLA: 22 Q. Okay. I'm going to provide you Q. Okay. And can we go to the ²³ what I have marked as JOS 1 and JOS 1A, ²³ second page? Do you see where it says "The ²⁴ which I will represent to you are ²⁴ presence of asbestos minerals was verified

Exhibit 203

Phelps Dodge Corporation

Ext Ref

0000000

Sale of CIM - Stock Purchase Agreement among Cyprus Mines
Corporation, Cyprus Minerals Company and RTZ America Inc. - 5

U1/58704

Row-12, Section 1, Shell 5

Case 3:16-md-02738-MAS-RLS Document 26642-5 Filed 08/14/23 Page 135 of 399 PageID: 161863

REDACTED DOCUMENT

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AGREEMENT OF TRANSFER AND ASSUMPTION

AGREEMENT OF TRANSFER AND ASSUMPTION made this 5th day of June, 1992 by and between Cyprus Talc Corporation, a Delaware corporation ("Newco"), and Cyprus Mines Corporation, a Delaware corporation ("Cyprus").

WHEREAS Cyprus wishes to sell and transfer to Newco, and Newco desires to acquire from Cyprus, all of the "Transferred Assets" (as defined below); and

WHEREAS, Cyprus, Cyprus Minerals Company, a Delaware corporation, and RTZ America Inc., a Delaware corporation, have entered into a Stock Purchase Agreement dated as of June 5, 1992 ("the Stock Purchase Agreement").

NOW THEREFORE, in consideration of the mutual covenants herein set forth:

- 1. <u>Definitions</u>. All capitalized terms used and not otherwise defined herein shall have the meanings ascribed to them in the Stock Purchase Agreement.
- Purchase and Sale. Cyprus, in accordance with and subject to the terms and conditions of this Agreement of Transfer and Assumption, agrees to sell, assign, transfer, convey and deliver to Newco, and Newco agrees to purchase, accept, acquire and take delivery of the Transferred Assets, all for the consideration specified in Section 8.(b)(ii), as they exist at the Newco Closing (as defined below), in each case free and clear of any Encumbrances except Permitted Exceptions. For purposes of this Agreement of Transfer and Assumption, the "Transferred Assets" shall mean all of Cyprus' right, title and interest in and to the assets, properties, rights and businesses of every type and description used primarily in or relating primarily to Cyprus' talc business (the "Talc Business"), whether real, personal or mixed, tangible or intangible, whether currently in use or idle, fixed or unfixed, accrued, absolute, contingent or otherwise, wherever located and including, without limitation, all of the right, title and interest of Cyprus in the assets listed in paragraphs (a) through (1) below (but excluding the assets described in Section 3).
 - (a) Cyprus' record and beneficial ownership of all of the issued and outstanding shares of capital stock of Cyprus Industrial Minerals Corporation, a Nevada corporation; Cyprus Windsor Minerals Corporation, a Vermont corporation and its subsidiary Cyprus Western Source Corporation, a California

corporation; and Green Mountain Talc Corporation, a
Delaware corporation; and Cyprus' record and beneficial
ownership of of the issued and outstanding shares
of capital stock of DIMTA SA, a company organized under
the laws of Spain, and Cyprus' record and beneficial
ownership of of the issued and outstanding shares
of capital stock of Nihon Mistron Company, Ltd., a
Tokyo, Japan corporation (collectively, the "Shares");

- (b) the real property and mineral rights of the Talc Business and the records thereof;
- (c) All current assets, including without limitation, all cash and, to the extent that the same may exist, all certificates of deposit, accounts receivable, claims, prepaid expenses, deferred charges, advances and deposits;
- (d) All talc inventories of finished products, work-in-progress and raw materials of the Talc Business;
- (e) All talc facilities and equipment of the Talc Business;
- (f) All business machines, furniture and fixtures, supplies, office equipment, vehicles and other tangible personal property used primarily in or relating primarily to the Talc Business;
- (g) All trademarks and other marks and, to the extent that the same may exist, all inventions, patents and any copyrights, and registrations thereof, all applications for any of the foregoing and all trade names;
- (h) All right, title and interest in, to and under all contracts, agreements, leases, licenses, permits, orders, commitments of understandings to which Cyprus is a party or entitled to any right or interest;
- (i) All trade secrets, processes, specifications, designs, drawings and technology which relate primarily to the Talc Business;
 - (j) All contracts, books, records and other data relating primarily to the Talc Business;
 - (k) All causes of action and claims of any kind of Cyprus against any other party related primarily to the Talc Business; and

- (1) All other assets and rights of the Talc Business as a going concern.
- 3. Excluded Assets. Notwithstanding any provision of this Agreement of Transfer and Assumption to the contrary, the properties and assets (the "Excluded Assets") described in the attached Exhibit A, which by this reference is incorporated herein, shall be excepted herefrom and reserved to and retained by Cyprus.
- 4. Assumed Liabilities. Subject to the terms and conditions of this Agreement, in connection with its purchase of the Transferred Assets at the Newco Closing, Newco shall assume and shall perform, pay and discharge all of the liabilities or obligations, whether known, unknown, contingent or otherwise primarily relating to the Transferred Assets, including, without limitations, liabilities and obligations, whether known, unknown, contingent or otherwise arising out of transactions or events occurring on or prior to the Closing and relating primarily to the Transferred Assets (the "Assumed Liabilities").
- Excluded Liabilities. Notwithstanding any provision of this Agreement of Transfer and Assumption to the contrary, Newco shall not be responsible for and shall not assume any of the following liabilities or obligations, whether known, unknown, contingent or otherwise (the "Excluded Liabilities") which are hereby expressly excluded from the definition of Assumed Liabilities: (i) any liabilities or obligations arising out of or relating to the Excluded Assets, (ii) any liabilities or obligations arising out of the Montana net proceeds tax liability, (iii) any liabilities arising out of or relating to properties disposed of by the Talc Business prior to the Newco Closing, and (iv) any liabilities or obligations (including costs and expenses associated therewith) arising from any litigation arising out of or relating to the operation of the businesses of the Companies prior to the Closing as to which Buyer has given written notice to Seller within one year of the Closing Date.
- 6. Non-Assignable Contracts. Nothing herein shall be deemed to constitute an assignment or an attempt to assign any contract, agreement, lease, license, permit, order, or commitment or understanding to which Cyprus is a party if the attempted assignment thereof without the consent of the other party thereto would constitute a breach thereof or affect in any way the rights of Cyprus thereunder and such consent has not been given; but Cyprus will cooperate with Newco in any reasonable arrangement designed

to provide for Newco the benefits under any such contract or agreement including, without limitation, the enforcement, for the benefit of Newco, of any and all rights of Cyprus against such other party or parties thereto arising out of any breach or cancellation thereof by such other party or parties or otherwise.

- 7. Closing. The closing of the transactions provided for herein (the "Newco Closing") will take place at the offices of Sullivan & Cromwell at 125 Broad Street, New York, New York, immediately prior to the Closing provided for in the Stock Purchase Agreement.
- 8. Transactions at the Newco Closing. (a) At the Newco Closing, Cyprus will deliver to Newco the following:
 - (i) stock certificates evidencing the Shares, in each case endorsed in blank or with an executed blank stock power attached, and in form suitable for transfer of valid title thereto to Newco or its assigns, free and clear of any Encumbrances;
 - (ii) such deeds, bills of sale, endorsements, certificates, instruments of assignment and such other instruments of conveyance and transfer reasonably satisfactory in form and substance to vest in Newco good and marketable title to the Transferred Assets, in each case, free and clear of any Encumbrances other than Permitted Exceptions;
 - (iii) such instrument of retention reasonably satisfactory in form and substance as shall be necessary for Cyprus to retain the Excluded Liabilities.
- (b) At the Newco Closing, Newco will deliver to Cyprus the following:
 - (i) such instruments of assumption reasonably satisfactory in form and substance to Cyprus as shall be necessary for Newco to assume all of the Assumed Liabilities;
 - (ii) Stock certificates evidencing all shares of Common Stock of Newco.
- 9. Representations and Warranties of Cyprus.
 Cyprus hereby represents and warrants to Newco that it has good and marketable title or possessory rights to all of the Transferred Assets and that at the Newco Closing, good and

marketable title or possessory rights to all of the Transferred Assets, free and clear of any Encumbrances other than Permitted Exceptions, will be transferred to Newco.

- 10. Attorney-in-Fact. Cyprus hereby makes, constitutes and appoints Newco the true and lawful attorneyin-fact of Cyprus, with full power of substitution, in the name and stead of Cyprus, but on behalf and for the benefit of Newco, to demand and receive any and all of the Transferred Assets, and to give receipts and releases for and in respect of the same, and any part thereof, and from time to time institute, prosecute, appear in, defend and appeal in the name of Cyprus, or otherwise, at the expense and for the benefit of Newco, any and all actions, suits and proceedings at law, in equity or otherwise, which Newco may deem proper in order to collect or reduce to possession any of the Transferred Assets, or enforce any claim or right of any kind hereby conveyed or assigned and transferred, or to resist or defend against any claim, or assertion relating to an Assumed Liability and to do all acts and things in relation to the Transferred Assets or the Assumed Liabilities which Newco shall deem desirable.
- 11. Mail. Cyprus further authorizes Newco, its successors and assigns, to receive and open all mail, telegrams and other communications, and all express and other packages addressed to Cyprus under the name of "Cyprus Industrial Minerals Company" and to retain such of the same as relate to the Transferred Assets and Newco hereby agrees to forward to Cyprus with reasonable dispatch all other mail, telegrams, communications, express and other packages addressed to Cyprus. The foregoing shall constitute a full authorization to the postal authorities, all telegraph and express companies, and all other persons to make delivery of such items to Newco, its successors and assigns.
- 12. <u>Further Assurance</u>. Upon written request of Newco, Cyprus shall from time to time execute and deliver to Newco, without further consideration, such other and further instruments of conveyance, assignment and transfer as Newco may reasonably request for the more effective conveyance, assignment and transfer to Newco of any of the Transferred Assets.
- 13. <u>Indemnification</u>. (a) Cyprus shall indemnify and hold Newco harmless from and against all Damages caused by, resulting or arising from (i) any Breach of the representations or warranties of Cyprus set forth in Section 9 hereof, or (ii) the Excluded Liabilities.

- (b) Newco shall indemnify and hold Cyprus harmless from and against all expenses, including reasonable legal expenses, incurred by Cyprus in any litigation against Newco in which Newco is found to have breached any of its obligations under this Agreement.
- 14. <u>Miscellaneous</u>. This Agreement of Transfer and Assumption shall be governed by, and construed in accordance with, the law of the State of New York without reference to choice of law principles, including all matters of construction, validity and performance. This Agreement of Transfer and Assumption contains the entire understanding of the parties hereto with respect to the subject matter contained herein, supersedes and cancels all prior agreements, negotiations, correspondences, undertakings and communications of the parties, oral or written, respecting such subject matter. This Agreement may be amended only by a written instrument executed by the parties. This Agreement may be executed in one or more counterparts and each counterpart shall be deemed to be an original.

IN WITNESS WHEREOF, the parties have duly executed this Agreement of Transfer and Assumption on the day and year first above written.

CYPRUS TALC CORPORATION

CYPRUS MINES CORPORATION

By:__//

EXHIBIT A

Excluded Assets

1. The Hamm Underground Mine Property

Case 3:16-md-02738-MAS-RLS Document 26642-5 Filed 08/14/23 Page 149 of 399 PageID: 161877

REDACTED DOCUMENT

1

A DESCRIPTION OF THE PROPERTY OF THE PROPERTY

AMENDMENT TO AGREEMENT OF TRANSFER AND ASSUMPTION

AMENDMENT DATED AS OF JUNE $\frac{2\sqrt{1}}{2}$, 1992, TO AGREEMENT OF TRANSFER AND ASSUMPTION DATED JUNE 5, 1992, by and between Cyprus Talc Corporation, a Delaware corporation ("Newco"), and Cyprus Mines Corporation, a Delaware corporation ("Cyprus").

WHEREAS, on June 5, 1992, the parties entered into an Agreement of Transfer and Assumption (the "Transfer Agreement");

WHEREAS, Cyprus, Cyprus Minerals Company, a Delaware corporation, and RTZ America Inc., a Delaware corporation ("RTZ"), have entered into a Stock Purchase Agreement dated as of June 5, 1992 ("the Stock Purchase Agreement");

WHEREAS, with the recognition and acknowledgement of RTZ, the parties desire to make certain conforming changes to the Transfer Agreement to confirm the intent of the parties;

NOW THEREFORE, in consideration of the mutual covenants set forth herein and in the Transfer Agreement:

- 1. The Transfer Agreement is hereby amended on page 3, Section 5, line 14, by deleting "litigation" after "any" and by inserting "third party claims (other than employee claims for Which RTZ, referred to as "Buyer" in the Stock Purchase Agreement, is responsible under Section 7.4 of the Stock Purchase Agreement)" after "any".
- 2. The Transfer Agreement is hereby amended on page 4, Section 7, line 5, by inserting "and shall be effective immediately prior to the close of business on the Closing Date" after "Agreement".
- 3. The Transfer Agreement is hereby amended on page 4, Section 8(a)(ii), by deleting the last three lines of the section and inserting in lieu thereof "all right, title and interest of Cyprus in the Transferred Assets;" after "Newco".
- 4. Section 9 of the Transfer Agreement is hereby amended by deleting the existing Section 9 and inserting in lieu thereof the following:
 - 9. Representations and Warranties of Cyprus.
 - (a) Cyprus hereby represents and warrants to Newco that it has good and marketable title to the Shares and that at the Newco Closing, good and marketable title to the

Shares, free and clear of any Encumbrances will be transferred to Newco.

- (b) Cyprus hereby represents and warrants to Newco that, to the "Knowledge of Cyprus" (as such term is defined with respect to Seller in the Stock Purchase Agreement), it has good and marketable title or possessory rights to all of the Transferred Assets (other than the Shares covered in (a) above) and that at the Newco Closing, good and marketable title or possessory rights to all such Transferred Assets, free and clear of any Encumbrances other than those described in Section 5.8 or in Schedule 5.8 of the Stock Purchase Agreement, will be transferred to Newco.
- (c) The representations and warranties contained in Section 9(a) hereof shall survive the Newco Closing until the expiration of the limitation period under the applicable statutes of limitations (or any extension thereof) and thereafter shall expire except with respect to breaches or violations theretofore specified in writing to Cyprus by Newco, RTZ or their successors. The representations and warranties contained in Section 9(b) hereof shall survive for a period of one year after the Newco Closing and shall thereafter expire except with respect to breaches and violations theretofore specified in writing to Cyprus by Newco, RTZ or their successors.
- 5. The Transfer Agreement is hereby amended on page 5, Section 13(a), line 5, by inserting ", provided, however, that with respect to claims made pursuant to (i) of this Section 13(a), the limitations set forth in Section 11.4 of the Stock Purchase Agreement shall apply to all such claims and, in applying such limitations, such claims shall be added to all other claims made against Cyprus (referred to as "Seller" in the Stock Purchase Agreement) or Cyprus Minerals Company pursuant to Section 11.4 of the Stock Purchase Agreement" after "Liabilities".
- 6. The Transfer Agreement is hereby amended on page 6 by renumbering Section 14 to become Section 15 and inserting a new Section 14 as follows:
 - " 14. Taxes. Cyprus shall be liable for all transfer, sales, use or other similar taxes arising under any state, local or foreign law from the sale and transfer of the Transferred Assets to Newco."

7. This Amendment may be executed in one or more counterparts and each counterpart shall be deemed to be an original.

IN WITNESS WHEREOF, the parties have duly executed this Amendment to the Agreement of Transfer and Assumption on the day and year first above written.

CYPRUS TALC CORPORATION

By:

Scrier Vice President

CYPRUS MINES CORPORATION

By:

President

SECOND AMENDMENT TO AGREEMENT OF TRANSFER AND ASSUMPTION

SECOND AMENDMENT DATED AS OF JUNE 30, 1992, TO AGREEMENT OF TRANSFER AND ASSUMPTION DATED JUNE 5, 1992, by and between Cyprus Talc Corporation, a Delaware corporation ("Newco"), and Cyprus Mines Corporation, a Delaware corporation ("Cyprus").

WHEREAS, on June 5, 1992, the parties entered into an Agreement of Transfer and Assumption (the "Transfer Agreement") and thereafter entered into an Amendment to the Transfer Agreement;

WHEREAS, Cyprus, Cyprus Minerals Company, a
Delaware corporation, and RTZ America Inc., a Delaware
corporation ("RTZ"), have entered into a Stock Purchase
Agreement dated as of June 5, 1992 ("the Stock Purchase
Agreement") and thereafter entered into an Amendment to the
Stock Purchase Agreement;

WHEREAS, with the recognition and acknowledgement of RTZ, the parties desire to make certain conforming changes to the Transfer Agreement to confirm the intent of the parties;

NOW THEREFORE, in consideration of the mutual covenants set forth herein and in the Transfer Agreement:

- 1. The Transfer Agreement as amended is hereby amended on page 3, Section 5, line 14, by deleting "third party claims (other than employee claims for which RTZ, referred to as "Buyer" in the Stock Purchase Agreement, is responsible under Section 7.4 of the Stock Purchase Agreement)" after "any" and by inserting "third party claims (other than third party claims for which and to the extent that Cyprus and Cyprus Minerals Company are not liable to any Buyer Indemnitee under the Stock Purchase Agreement)" after "any".
- 2. This Amendment may be executed in one or more counterparts and each counterpart shall be deemed to be an original.

IN WITNESS WHEREOF, the parties have duly executed this Second Amendment to the Agreement of Transfer and Assumption on the day and year first above written.

Approved by:

CYPRUS TALC CORPORATION

RTZ AMERICA INC.

By: Score of Score

By: Withur I thank

CYPRUS MINES CORPORATION

A: (0) 0 0

BILL OF SALE AND ASSIGNMENT

THIS IS A BILL OF SALE AND ASSIGNMENT executed this 30th day of June, 1992, by Cyprus Mines Corporation, a Delaware corporation ("Seller"), pursuant to Section 8(a)(ii) of the Agreement of Transfer and Assumption dated as of June 5, 1992 as amended (the "Agreement"), by and between Seller and Cyprus Talc Corporation, a Delaware corporation ("Buyer"). Capitalized terms used herein and not otherwise defined herein have the same meaning ascribed to them in the Agreement.

INTENDING TO BE LEGALLY BOUND and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller hereby sells, conveys, assigns, transfers and delivers to Buyer, its successors and assigns, all of Seller's right, title, and interest in and to all of the Transferred Assets.

To the extent that any provision of this Bill of Sale and Assignment is inconsistent with the Agreement, the provisions of the Agreement shall control.

IN WITNESS WHEREOF, the Seller has caused this Bill of Sale and Assignment to be executed by its duly authorized officer as of the date first above written.

CYPRUS MINES CORPORATION, a Delaware corporation

RV.

Name: P. C. Wolf Title: President

AA

ITA-Herford-003372

ASSIGNMENT OF TRADEMARKS AND TRADENAMES

THIS IS AN ASSIGNMENT OF TRADEMARKS AND TRADENAMES executed this

30th day of June, 1992 by Cyprus Mines Corporation, a Delaware corporation

("Seller"), pursuant to Section 8(a)(ii) of the Agreement of Transfer and Assumption

dated as of June 5, 1992 as amended (the "Agreement"), by and between Seller and

Cyprus Taic Corporation, a Delaware corporation ("Buyer").

INTENDING TO BE LEGALLY BOUND and for good and valuable consideration,

the receipt and sufficiency of which are hereby acknowledged, Seller hereby sells,

conveys, assigns, transfers and delivers to Buyer all of its legal or beneficial right, title

and interest in and to all trademarks, trademark applications, service marks and

tradenames, including all goodwill associated therewith, that are specified on Exhibit

A hereto, for Buyer's own use and enjoyment and for the use and enjoyment of its

successors and assigns, as fully and entirely as the same would have been held and

enjoyed by Seller if this sale, assignment and transfer had not been made.

To the extent any provision of this Assignment of Trademarks and Tradenames

is inconsistent with the Agreement, the provisions of the Agreement shall control.

IN WITNESS WHEREOF, Seller has caused this Assignment of Trademarks and

Tradenames to be executed by its duly authorized officer as of the date first above

written.

CYPRUS MINES CORPORATION,

a Delaware corporation

Exhibit A Page 1

TRADEMARKS

Cyprus		Trademark.	Country/Number D	ate Granted
CVprus	Mines Corporation	AC CLAY	U.S.A No. 787,316	03/31/54
CVDfU3	Mines Corporation	ADSORBOL	U.S.A No. 437,025	05/09/47
Contra	Mines Corporation	ALTALC	U.S.A No. 1,271,407	03/27/84
Confus	Mines Corporation	ASPEN	U.S.A No. 1,276,609	05/08/84
CVOTUS	Mines Corporation	ATOMITE	U.S.A No. 415,469	09/18/85
Cvorus	Mines Corporation	BARIMITE	U.S.A No. 1,244,925	07/12/83
CVDIUS	Mines Corporation	CYPRUFIL	U.S.A No. 1,278,607	05/08/84
Cyprus	Mines Corporation	CYPRUCAST	U.S.A No. 1,205,102	08/17/83
Cvarue	Minerale Company	CIMFLX	U.S.A No. 74/144,440	+
CVDIUS	Mines Corporation	DRIKALITE	U.S.A No. 1,244,041	07/05/83
Cyprus	Mines Corporation	DURAMITE	U.S.A No. 1,246,713	08/03/83
Cyprus	Mines Corporation	FURNACE CREEK	U.S.A No. 1,276,608	05/08/84
Cyprus	Mines Corporation	KOTAMITE	U.S.A No. 1,083,829	04/23/85
	Mines Corporation	MISTROBRITE	U.S.A No. 886,957	03/03/70
	Mines Corporation	MISTRON	United Kingdom - No. 888,418	08/24/84
Cyprus	Mines Corporation	MISTRON	Greece - No. 32,090	08/13/84
Cyprus	Mines Corporation	MISTRON	France - No. 83,257	08/12/84
Cyprus	Mines Corporation	MISTRON	Finland - No. 46,340	03/05/88
Cyprus	Mines Corporation	MISTRON	Canada - No. 139,280	02/19/65
Cyprus	Mines Corporation	MISTRON	Benelux - No. 71,923	10/28/71
Cyprus	Mines Corporation	MISTRON ·	Beiglum - No. 102,577	08/12/B4
Cyprus	Mines Corporation	MISTRON	Denmark - No. 3873/64	11/18/84
	Mines Corporation	MISTRON	Japan - No. 552,002	06/07/60
	Mines Corporation	MISTRON	Mexico - No. 170,002 (abandone)	11/11/84
	Mines Corporation	MISTRON	Netherlands - No. 153,884	08/03/84
	Mines Corporation	MISTRON	U.S.A No. 534,073	11/28/50
Сурги	Mines Corporation	MISTRON	Australia - No. A-189,168	07/29/84
Cyprus	Mines Corporation	MISTRON	Australia - No. 53,206	07/27/84
Cyprus	Mines Corporation	MISTRON	West Germany - No. 819,565	05/16/66
САММ	Mines Corporation	MISTRON	South Kores - No. 20880	01/13/71
Cyprus	Mines Corporation	MISTRON	Spain - No. 452,784	07/29/84
CAbini	Mines Corporation	MISTRON	Sweden - No. 199,404	•
PAbras	Mines Corporation	MISTRON	Switzerland - No. 205,871	11/03/84
CABINI	Mines Corporation	MISTRON	Italy - No. 83,257	08/12/84
CABLO	Mines Corporation	MISTRON	Norway - No. 88,025	05/13/65
PADIN	Mines Compression	MISTRON CASCADE	U.S.A No. 74,080,117	-01.0100
CANCE	Minus Compration	MISTRON CYPRUSBOND	U.S.A No. 1,271,408	03/27/84
- 11 TUE	Minar Compression	MISTRON CYPRUSPERSE	U.S.A No. 1,271,405	03/27/84
SALE OF	Mines Cornoration	MISTRON FROST	U.S.A No. 1,272,268	03/03/84
STIMU.	Wither Cornoration	MISTRON SPRAY	U.S.A No. 1,330,332	4
	Mirat Casasasalam	MISTRON SUPER FROST	U.S.A No. 1,271,403	03/27/84
्राभाष	Mines Corporation	MISTRON SUPER VAPOR	U.S.A No. 1,331,487	30,2,104

PBOX22

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Exhibit A Page 2

Cyprus Party	Trademark	Country/Number	Date Granted
Cyprus Mines Corporation	MISTRON ULTRAMIX MISTRON VAPOR MISTRON ZETA PLUS MONOBLEND SIERRALITE SIERRA WHITE SILVERBOW SNOWFLAKE WHITE STEAWHITE SUPERCOAT SUPERMITE SUPRA SUPRAFINO UNITED SIERRA PYROPAQUE SIERRA SUPREME YELLOWSTONE TALC MISTRON SPRAY ULTRAMITE	U.S.A No. 1,272,287 Japan - No. 1,248,300 Registration pending U.S.A No. 1,271,408 U.S.A No. 1,271,401 U.S.A No. 1,271,389 U.S.A No. 1,248,714 U.S.A No. 1,248,714 U.S.A No. 1,248,714 U.S.A No. 1,244,040 U.S.A No. 1,244,040 U.S.A No. 1,270,450 U.S.A No. 1,270,450 U.S.A No. 1,275,683 U.S.A No. 1,276,883 U.S.A No. 12,488 U.S.A No. 197,812 U.S.A No. 589,928 U.S.A No. 589,928 U.S.A No. 1,330,322	03/03/84 • 03/27/84 03/27/84 05/29/84 03/27/84 08/02/83 03/27/84 07/05/83 • 03/20/84 05/01/84 08/22/86 04/26/88 03/29/83 • 05/18/64 04/16/85
Cyprus Mines Corporation Cyprus Mines Corporation	MISTROCARB STELLAR	S/N 380,779 (expired) U.S.A No. 1,830,531	08/19/82 01/08/91

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*unknown

Exhibit A Page 3

SCHEDULE 5.15

DIMTA, S.A.

Trademark 1.185.098/1 "TALCOLIVA", applied for on 13th March 1987 and granted on 20th September 1989 for Class 3rd: Talc Products.

O:00CUMENT/815

SUPPLEMENT

TRADEMARKS

Cyprus Party	Trademark	Country/Number I	Date Granted
Cyprus Mines Corporation	AC CLAY	U.S.A No. 767,316	02/24/64
Cyprus Mines Corporation	ADSORBOL	U.S.A No. 437,025	03/31/64
Cyprus Mines Corporation	ALTALC	U.S.A No. 1,271,407	05/09/47
Cyprus Mines Corporation	ASPEN	U.S.A No. 1,276,609	03/27/84
Cyprus Mines Corporation	ATOMITE	U.S.A No. 416,469	05/08/84
Cyprus Mines Corporation	BARIMITE	U.S.A No. 1,244,925	09/18/65
Cyprus Mines Corporation	CYPRUFIL	U.S.A No. 1,276,607	07/12/83 05/08/84
Cyprus Mines Corporation	CYPRUCAST	U.S.A No. 1,205,102	08/17/83
Cyprus Minerals Company	CIMFLX	U.S.A No. 74/144,440	03/04/91
Cyprus Mines Corporation	DRIKALITE	U.S.A No. 1,244,041	07/05/83
Cyprus Mines Corporation	DURAMITE	U.S.A No. 1,246,713	08/03/83
Cyprus Mines Corporation	FURNACE CREEK	U.S.A No. 1,276,605	05/08/84
Cyprus Mines Corporation	KOTAMITE	U.S.A No. 1,063,629	04/23/86
Cyprus Mines Corporation	MISTROBRITE	U.S.A No. 886,957	03/03/70
Cyprus Mines Corporation	MISTROCARB	S/N 380,779 (expired)	08/19/82
Cyprus Mines Corporation	MISTRON	United Kingdom - No. 868,418	08/24/64
Cyprus Mines Corporation	MISTRON	Greece - No. 32,090	08/13/64
Cyprus Mines Corporation	MISTRON	France - No. 83,257	08/12/64
Cyprus Mines Corporation	MISTRON	Finland - No. 46,340	03/05/66
Cyprus Mines Corporation	MISTRON	Canada - No. 139,280	02/19/65
Cyprus Mines Corporation	MISTRON	Benelux - No. 71,923	10/28/71
Cyprus Mines Corporation	MISTRON	Belgium - No. 102,577	08/12/64
Cyprus Mines Corporation	MISTRON	Denmark - No. 3673/64	11/18/64
Cyprus Mines Corporation	MISTRON	Japan - No. 552,002	06/07/60
Cyprus Mines Corporation	MISTRON	Mexico - No. 170,002 (abandone	d) 11/11/64
Cyprus Mines Corporation	MISTRON	Netherlands - No. 153,884	08/03/64
Cyprus Mines Corporation	MISTRON	U.S.A No. 534,073	11/28/50
Cyprus Mines Corporation	MISTRON	Australia - No. A-189,166	07/29/64
Cyprus Mines Corporation	MISTRON	Australia - No. 53,206	07/27/64
Cyprus Mines Corporation	MISTRON	West Germany - No. 819,565	05/16/66
Cyprus Mines Corporation	MISTRON	South Korea - No. 20980	01/13/71
Cyprus Mines Corporation	MISTRON	Spain - No. 452,784	07/29/64
Cyprus Mines Corporation	MISTRON	Sweden - No. 199,404	01/17/86
Cyprus Mines Corporation	MISTRON	Switzerland - No. 205,871	11/03/64
Cyprus Mines Corporation	MISTRON	Italy - No. 83,257	08/12/64
ETHUS MIDES Composition	MISTRON	Norway - No. 66,025	05/15/65
Cyprus Mines Corporation	MISTRON CASCADE	U.S.A No. 74/080,117	07/20/90
WINDS MIDDE Corporation	MISTRON CYPRUSBOND	U.S.A No. 1,271,408	03/27/84
THUS MINDS Corneration	MISTRON CYPRUSPERSE	U.S.A No. 1,271,405	03/27/84
F. Trys Miner Careeria	MISTRON FROST	U.S.A No. 1,272,268	03/03/84
Willias Comoration	MISTRON SPRAY	U.S.A No. 1,330,322	04/16/85
	MISTRON SUPER FROST	U.S.A No. 1,271,403	03/27/84
Mines Corporation	MISTRON SUPER VAPOR	U.S.A No. 1,331,497	04/23/85

PS0527

yorus Party	Trademark	Country/Number	Date Granted
yprus Mines Corporation	Trademark MISTRON ULTRAMIX MISTRON VAPOR MISTRON ZETA PLUS MONOBLEND PYROPAQUE SIERRALITE SIERRA SIERRA WHITE SILVERBOW SNOWFLAKE WHITE STEAWHITE STELLAR SUPERCOAT SUPERMITE SUPRA SUPRAFINO	Country/Number U.S.A No. 1,272,267 Japan - No. 1,248,300 Registration pending U.S.A No. 1,271,406 U.S.A No. 807,429 U.S.A No. 1,271,401 U.S.A No. 1,271,401 U.S.A No. 1,271,401 U.S.A No. 1,279,371 U.S.A No. 1,271,399 U.S.A No. 1,271,399 U.S.A No. 1,271,400 U.S.A No. 1,271,400 U.S.A No. 1,271,400 U.S.A No. 1,630,531 U.S.A No. 1,630,531 U.S.A No. 1,063,678 U.S.A No. 1,270,450 U.S.A No. 1,275,663	03/03/84 02/10/77 03/27/84 04/26/66 03/27/84 03/29/83 05/29/84 03/27/84 08/02/83 03/27/84 01/08/91 07/05/83 04/19/77 03/20/84
prus Mines Corporation	SUPREME	U.S.A No. 1,273,240	05/01/84 04/10/84
prus Mines Corporation prus Mines Corporation	ULTRAMITE	•	- 1110104
yprus Mines Corporation MTA, S.A.	UNITED SIERRA YELLOWSTONE TALC TALCOLIVA	U.S.A No. 12,498 U.S.A No. 589,928 Spain - No. 1.185.098/1	08/22/66 05/18/54 09/20/89

ASSIGNMENT OF PATENTS

THIS IS AN ASSIGNMENT OF PATENTS executed this 30th day of June, 1992 by Cyprus Mines Corporation, a Delaware corporation ("Seller"), pursuant to Section ("Se

INTENDING TO BE LEGALLY BOUND and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller hereby sells, conveys, assigns, transfers and delivers to Buyer all of its legal or beneficial right, title and interest in and to all patents, exclusive or non-exclusive rights or interests in patents, and patent applications, including all goodwill associated therewith, that are specified on Exhibit A hereto, for Buyer's own use and enjoyment and for the use and enjoyment of its successors and assigns, to the full term of all the letters patent relating thereto, as fully and entirely as the same would have been held and enjoyed by Seller if this sale, assignment and transfer had not been made.

To the extent any provision of this Assignment of Patents is inconsistent with the Agreement, the provisions of the Agreement shall control.

IN WITNESS WHEREOF, Seller has caused this Assignment of Patents to be executed by its duly authorized officer as of the date first above written.

CYPRUS MINES CORPORATION, a Delaware corporation

BY:

Name: P. C Wolf Title: President

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Cyprus Party	Patent	CountryNumber	DATE GRANTED
Cyprus Industrial Minerals Company	An Amino Acid Coated Mineral Powder Composition and a Method for Making the same	U.S.A 07/824,580	
Cyprus Industrial Minerals Company	Contrillugal Particle Classifor Having Uniform Influx Distributor	U,S.A •	
Cyprus Industrial Minerals Company	Method and Apparatus for Friction Sorting of Australia - No. 23168/36 Particular Materials	Australia - No. 23168/88	05/23/91
Cyprus Industrial Minerals Company	Method and Apparatus for Friction Sorting of Particular Materials	Brazii - No. PI 8807707	05/17/89
Cyprus Industrial Minerals Company	Method and Apparatus for Friction Sorting of Particular Materials	Canada - No. 599,916 and 677,321	09/14/89
Cyprus Industrial Minerals Company	Method and Apparatus for Friction Sorting of Particular Materials	China - No. 89104404.3 and 88107159	05/16/89
Cyprus Industrial Minerals	Method and Apparatus for Friction Sorting of Particular Materials	Egypt - No. 243/89	05/17/89
Cyprus Industrial Minerals Company	Method and Apparatus for Friction Sorting of Particular Materials	Europe - No. 88907535.4	
Cyprus Industrial Witherals Company	Method and Apparatus for Friction Sorting of Finland - * Particular Materials	Finland - *	

Cyprus Industrial Minerals Company Method and Apparatus for Friction Sorting of France - No. 8911027

Particular Materials

Exhibit A Page 2

Cyprus Party	7,7	Parent	Country/Number	Date Granted
Cyprus Industrial N	trial Minerals Company	Cyprus Industrial Minerals Company Method and Apparatus for Friction Sorting of Particular Materials	India - Nos. 821/Cal/88 382/Cal/89 383/Cal/89	10/04/68
Cyprus industrial M	Inerals Company	Cyprus industrial Minerals Company Method and Apparatus for Friction Sorting of Particular Materials	Italy - No. •	٠
Cyprus Industrial Mitgerals Company	ingerals Company	Method and Apparatus for Friction Sorting of Particular Waterials	Japan - No. 50712/88	06/18/88
Cyprus Industrial M	Therals Company	Oyprus Industrial Minerals Company Method and Apparatus for Friction Sorting of Particular Materials	Norway - No. 185/182	01/06/89
Cyprus Industrial M	linguals Company	Cyprus Industrial Misprals Company Method and Apparatus for Friction Sorting of Particular Materials	South Korea - No. 89-700872	05/17/89
Cyprus Industrial Minerals Company	linerals Company	Method and Apparatus for Friction Sorting of Particular Materials	Spain - No. 2009039	06/27/89
Cyprus industrial M	liperals Company	Cyprus Industrial Minerals Company Method and Apparatus for Friction Sorting of Particular Materials	Turkey - No. 46627/88	10/19/89
Cyprus Industrial M	inerals Company	Cyprus industrial Minerals Company Method and Apparatus for Friction Sorting of Particular Materials	U.S.A No. 5,089,346	
Cyprus Industrial Mi	inerals Company	Cyprus Industrial Minerals Company Method and Apparatus for Friction Sorting of Particular Materials	WO - No. 8,902,328	
Cyprus Industrial Mi	inerals Company	Cyprus Industrial Nünerals Company Method and Apparatus for Friction Sorting of Particular Materials	EP - No. 335,922	

*Patent number unk

Brazil - No. PI 8904545

Cyprus Industrial Minerals Company Method of Reducing Pitch and Pulping in Papernsking

Exhibit A Page 3

Cyprus Party	Cyprus industrial Minerals Company	Cyprus Industrial Minerals Corapany	Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company	Cyprus Industrial Mingrals Company	Opprus Industrial Minerals Company I	Opprus Industrial Minerals Company I	yprus Industrial Minerals Company I	Aprus Industrial Minerals Company 8	
Patent		Cyprus Industrial Minerals Corapany Method of Reducing Pitch and Pulping in Papermaking	Cyprus Industrial Minerals Company Method of Reducing Pitch and Pulping in Pepermaking	Cyprus Industrial Minerals Company Method of Reducing Pitch and Pulping in Papermaking	Cyprus Industrial Minerals Company Method of Reducing Pitch and Pulping In Pepermaking	Cyprus Industrial Mingrals Company Method of Reducing Pitch and Pulping in Pepermaking	Cyprus Industrial Miterals Company Method of Reducing Pitch and Pulping in Papermaking	Cyprus Industrial Minerals Company Method of Reducing Fitch and Pulping in Papermaking	Cyprus Industrial Minerals Company Method of Reducing Pitch and Rubing in Pepermaking	Cyprus Industrial Minerals Company Method of Reducing Pitch and Pulping in Papermaking	
Country/Number	Denmark - No. 4412/89	Gresce - No. 890100006	Argentine - No. 312935	Australia - No. 29373/89	Chile - No. 009/89	Europe - No. 88901770,1-2304	Finland - No. 894147	Italy - No. 88/02814	Japan - No. 501645/89	Mexico - No. 14459	
Date Granted	01/06/89										

New Zealand - No. 277,526

Cyprus Industrial Minerals Company Method of Reducing Pitch and Pulping in Papermaking

Cyprus industrial Minerals Company Method of Reducing Pitch and Pulping in Papermaking

Norway - No. 893578

Exhibit A Page 4

Contract Barbar	d d	Country Member	Date Granted
A STATE OF THE STA			
Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company Method of Reducing Pach and Pulping in Papernaking	Portugal - No. 89397	
Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company Method of Reducing Pitch and Polping in Papermaking	South Africa - No. 890038	
Cyprus industrial Minerals Company	Cyprus industrial Miperals Company Method of Reducing Fisch and Pulping in Papermaking	Spain - No. 2010072	
Cyprus Industrial Minerals Company	Cyprus Industrial Ministals Company Method of Reducing Pitch and Polping in Papennaking	U.S.A No. 4,864,955	
Cyprus Industrial Minerals Company	Cyprus industrial Minerals Company Method of Reducing Fitch and Pulping in Papernuking	WO • No. 8,906,294	
Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company Method of Reducing Pitch and Pulping in Papernalding	EP - No. 374,196	
Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company Rubber Composition Comprising Phylissilicate Saines	U.S.A No. 4,431,756	
Cyprus Industrial Minerals Company	Cyprus Industrial Minerale Company Separation Method for Different Materials Using Turniable	U.S.A •	
Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company Separation Method for Different Materials Using Turntable	ES - No. 2,011740	
Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company Separation Method for Different Materials Using Turntable	ER - No. 8,904,173	
Cyprus Industrial Minerals Company	Cyprus Industrial Minerals Company Separation Method for Different Materials Using Turntable	FR - No. 2,635,475	

Cyprus Industrial Minarals Company

AU - No. 8,934,837

Separation Method for Different Materials Using Turntable

Exhibit A Page 5

	Cyprus Party	Patent	Country/Number	Date Granted
4	Cyprus Industrial Minerals Company	Cyprus industrial Minerals Company Separation Method for Different Materials Using Turntable	CN - Na. 1,040,335	
	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	U.S.A No. 07/588,202	
	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	Egypt - No. *	
٠.	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	Brazil - No. *	
	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	Brazil - No. *	
	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	Europe - No. *	
1	Cyprus Industrial Minerals Company Small Perticle Separator	Small Perticle Separator	India - No. *	
11,	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	South Korea - No. *	
	Cyprus Industrial Minerals Compeny Small Particle Separator	Small Particle Separator	Norway - No. *	
1.	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	Finland - No. *	
-	Cyprus Industrial Minerals Company Small Particle Separator	Small Particle Separator	Australia - No. *	
	Cyprus industrial Minerals Company Small Particle Separator	Small Particle Separator	Chira - No. *	
	Cyprus Mines Carporadon	Beneficiation of New York State Talc	U.S.A No. 3,837,582	
	Cyprus Mines Corporation	Beneficiated Talc as Filler	U.S.A No. 4,814,019	
	Cyprus Mines Corporation	Removing Tremolite	U.S.A No. 3,965,241	
· -	Cyprus Mines Corporation	Rendering Montana Talc Suitable for use as fillers	U.S.A No. 4,931,493	

,	SUPPLEMENT PATENTS	,	
CYPRUS PARTY	PATENT	COUNTRY/NUMBER	DATE
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Belgium - No. 883,648	06/30/80
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Canada - No. 1188513	08/30/80
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Europe - No. 0041756	01/18/85
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	France - No. 0041756	01/18/85
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Great Britain - No. 00417567	01/18/85
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Italy - No. 004176	01/18/85
Cyprus Industrial Minerals	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Japan - No. 824049	10/24/81
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Korea - No. 18339	02/01/85
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating In Pressure Sensitive Carbonless Copying Systems	Luxembourg - No. 0041756	01/18/85
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Netherlands - No. 0041756	01/18/85
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	New Zealand - No. 197297	05/15/84
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Sweden - No. 0041756	01/18/85
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	Switzerland - No. 0041756	01/18/85
A THE TAXABLE PROPERTY OF THE			

	PATENTS		
CYPRUS PARTY	PATENT	COUNTRY/NUMBER	DATE GRANTED
Cyprus Industrial Minerals Company	New Composition for the Color Developing Coating in Pressure Sensitive Carbonless Copying Systems	West Germany - No. 0041756	01/18/85
Cyprus Industrial Minerals Company	Rubber Composition Comprising Phylisilicate Minerals, Salines, and Quaternary Ammonium Salts	Canada - No. 490,980	•
Cyprus Industrial Minerals Company	Rubber Composition and Method of Incorporating Carbon Black and a Quaternary Ammonium Coupling Agent Salt into Natural Rubber Containing Compositions	U.S.A No. 4,598,105	07/01/86
Cyprus Industrial Minerals Company	Rubber Composition and Method of Incorporating Carbon Black and a Quaternary Ammonium Coupling Agent Salt into Natural Rubber Containing Compositions	U.S.A No. 4,602,052	07/22/86
Cyprus Industrial Minerals Company	Pharmaceutical Tablet Matrix Containing Talc as a Major Component	U.S.A No. S/N264,377	10/31/88

ITA-Herford-003387

ASSUMPTION AGREEMENT

ASSUMPTION AGREEMENT dated June 30, 1992 by and between Cyprus Mines Corporation, a Delaware corporation ("Seller") and Cyprus Talc Corporation, a Delaware corporation ("Buyer"). All capitalized terms used herein and not otherwise defined herein shall have the meanings ascribed to such terms in the Agreement of Transfer and Assumption dated as of June 5, 1992 as amended, by and among Seller and Buyer (the "Agreement").

WHEREAS, pursuant to Sections 4 and 8(b)(i) of the Agreement, Buyer has agreed to assume the Assumed Liabilities;

NOW, THEREFORE, in consideration of the foregoing, Buyer hereby agrees, subject to the terms and conditions set forth in the Agreement, to assume, perform, pay and discharge the Assumed Liabilities.

To the extent any provision of this Assumption Agreement is inconsistent with the Agreement, the provisions of the Agreement shall control.

IN WITNESS WHEREOF, the parties hereto have caused this Assumption Agreement to be duly executed on the date first above written.

CYPRUS MINES CORPORATION, Delaware corporation

Title:

CYPRUS TALC CORPORATION, a Delaware corporation

Senior Vice President

ASSUMPTION AND RETENTION AGREEMENT

ASSUMPTION AND RETENTION AGREEMENT dated June 30, 1992 by and between

Cyprus Mines Corporation, a Delaware corporation ("Seller") and Cyprus Talc Corporation, a

Delaware corporation ("Buyer"). All capitalized terms used herein and not otherwise defined

herein shall have the meanings ascribed to such terms in the Agreement of Transfer and

Assumption dated as of June 5,1992 as amended, by and among Seller and Buyer (the

*Agreement").

WHEREAS, pursuant to Sections 5 and 8(a)(iii) of the Agreement, Seller has agreed to

retain or assume the Excluded Liabilities;

NOW, THEREFORE, in consideration of the foregoing, Seller hereby agrees, subject to

the terms and conditions set forth in the Agreement, to retain or assume the Excluded

Liabilities.

To the extent any provision of this Assumption and Retention Agreement is

inconsistent with the Agreement, the provisions of the Agreement shall control.

IN WITNESS WHEREOF, the parties hereto have caused this Assumption and Retention

Agreement to be duly executed on the date first above written.

CYPRUS MINES CORPORATION,

Delaware corporation

Title:

CYPRUS TALC CORPORATION,

a Delaware corporation

G. J. Malys Name:

Senior Vice President Title:

State of Belaware

PAGE



Office of Secretary of State

I, MICHAEL RATCHFORD. SECRETARY OF STATE OF THE STATE OF DELAWARE. DO HEREBY CERTIFY RTZ AMERICA INC. IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE DATE SHOWN BELOW.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL REPORTS HAVE BEEN FILED TO DATE.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE BEEN PAID TO DATE.



722177006

Michael Ratchford, Secretary of State

AUTHENTICATION:

43498001

DATE:

06/25/1992

CYPRUS MINES CORPORATION

Consent Action by the Board

June 30, 1992

We, the undersigned, being all of the Directors of Cyprus Mines Corporation (the *Corporation*), do hereby waive call, notice, meeting, and vote and do hereby consent to, confirm, and verify the following corporate actions pursuant to authority vested by the Delaware Corporation Law, Section 141(f):

RESOLVED, that this Corporation hereby transfer, effective immediately prior to the close of business on the Closing Date as defined in the Stock Purchase Agreement dated June 5, 1992 among Cyprus Mines Corporation ("Cyprus"), Cyprus Minerals Company, and RTZ America, Inc., as amended, (the "Agreement"), a copy of which is attached hereto as Exhibit A, to Cyprus Talc Corporation, a wholly owned subsidiary of this Corporation, as a contribution to the capital of Cyprus Talc Corporation, in accordance with the Agreement of Transfer and Assumption between Cyprus Talc Corporation and Cyprus Mines Corporation dated June 5, 1992, as amended (the "Transfer Agreement"), a copy of which is attached hereto as Exhibit B, all of Cyprus' right, title and interest in and to the assets, properties, rights and businesses of every type and description used primarily in or relating primarily to Cyprus' talc business (the "Talc Business"), whether real, personal and mixed, tangible or intangible, whether currently in use or idle, fixed or unfixed, accrued, absolute, contingent or otherwise, wherever located and including, without limitation, all of the right, title and interest of Cyprus in the assets listed in paragraphs [a] through [l] below (but excluding the Excluded Assets as defined in the Transfer Agreement):

- Cyprus' record and beneficial ownership of all of the issued (a) and outstanding shares of the capital stock of Cyprus Industrial Minerals Corporation, a Nevada corporation, and its subsidiaries, Mistron Mineralien GmbH, a German corporation and DIMTA, S.A., a Spanish corporation 7 Cyprus Windsor Minerals Corporation, a Vermont corporation and its subsidiary Cyprus Western Source Corporation, a California corporation; and Green Mountain Talc Corporation, a Delaware corporation; and Cyprus' record and beneficial ownership of of the issued and outstanding shares of capital stock of Nihon Mistron Company, Ltd., a Tokyo, Japan corporation (collectively, the "Shares");
- [b] The real property and mineral rights of the Talc Business and the records thereof:

- [c] All current assets, including without limitation, all cash and, to the extent that the same may exist, all certificates of deposit, accounts receivable, claims, prepaid expenses, deferred charges, advances and deposits;
- [d] All talc inventories of finished products, work-in-progress and raw materials of the Talc Business;
- [e] All talc facilities and equipment of the Talc Business;
- [f] All business machines, furniture and fixtures, supplies, office equipment, vehicles and other tangible personal property used primarily in or relating primarily to the Talc Business;
- [g] All trademarks and other marks and, to the extent that the same may exist, all inventions, patents and any copyrights, and registrations thereof, all applications for any of the foregoing and all trade names;
- [h] All right, title and interest in, to and under all contracts, agreements, leases, licenses, permits, orders, commitments of understandings to which Cyprus is a party or entitled to any right or interest;
- (i) All trade secrets, processes, specifications, designs, drawings and technology which relate primarily to the Talc Business;
- (i) All contracts, books, records and other data relating primarily to the Talc Business;
- [k] All causes of action and claims of any kind of Cyprus against any other party related primarily to the Talc Business;
- (I) All other assets and rights of the Talc Business as a going concern;

together with any and all liabilities whether known, unknown, contingent or otherwise related to the above-referenced items, with the exception of Excluded Liabilities as described in the Agreement; provided, however, that no such right, title, or interest described above shall be deemed to be conveyed hereof if any consent necessary to such conveyance, which consent shall be effective as of the effective date of such conveyance, shall not have been, or shall not be, obtained, or if such conveyance would result in forfeiture of the interest conveyed or in other significant monetary (non-tax) penalty; and further

RESOLVED, that any prior transfer of the assets, properties, rights, and businesses to Cyprus Talc Corporation by this Corporation are hereby ratified, confirmed, and approved; and further

RESOLVED, that the Transfer Agreement, as amended, is hereby ratified, confirmed and approved; and further

RESOLVED, that the President, any Senior Vice President, Vice President, the Secretary or any Assistant Secretary of this Corporation are hereby authorized, empowered and directed to convey the Shares to Cyprus Talc Corporation, and to execute and deliver such stock certificates, stock powers and other documents and to take all other steps which may be necessary or desirable in connection with such conveyance.

P. C. Wolf

G. J. Malys

Deborah J. Friedman

Thereby certify that the above signatories to this Consent Action by the Board of Cyprus Mines Corporation dated June 30, 1992, are all of the members of the Board of Directors of this Corporation on the date hereof.

RTZ AMERICA INC.

Officer's Certificate

I, Arthur Glass, President of RTZ America Inc., a Delaware corporation ("RTZ"), pursuant to Section 8.3 of the Stock Purchase Agreement dated as of June 5, 1992, as amended (the "Purchase Agreement"), by and among RTZ, Cyprus Mines Corporation, a Delaware corporation, and Cyprus Minerals Company, a Delaware corporation, hereby certify that (i) each of the representations and warranties of RTZ contained in the Purchase Agreement are true in all material respects at and as of the date hereof with the same force and effect as though made at and as of the date hereof, except for changes permitted or contemplated by the Purchase Agreement and except to the extent that any representation or warranty is made as of a specified date, in which case such representation or warranty shall be true in all material respects as of such date, and (ii) RTZ have performed and complied in all material respects with all its undertakings and agreements required by the Purchase Agreement to be performed or complied with by RTZ prior to or on the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name as of June $^3\mathcal{O}$, 1992.

President

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RTZ AMERICA INC.

Secretary's Certificate

and

Incumbency Certificate

The undersigned hereby certifies that he is the Secretary of RTZ America Inc., a Delaware corporation ("RTZ"), and that, as such, he is authorized to execute this Certificate on behalf of RTZ, and further certifies, as of immediately prior to the consummation of the transactions contemplated by the Stock Purchase Agreement dated as of June 5, 1992, as amended, (the "Purchase Agreement"), by and among RTZ, Cyprus Mines Corporation, a Delaware corporation, and Cyprus Minerals Company, a Delaware corporation, as follows:

- (i) attached hereto as Exhibit A is a complete and correct copy of the resolutions of the Board of Directors of RTZ authorizing the execution and delivery of the Purchase Agreement and the consummation of the transactions contemplated thereunder;
- (ii) the following person is a duly elected, qualified and acting officer of RTZ and the signature appearing opposite the name of such officer is his true signature:

 Name Office Signature

Arthur Glass

President

asklus Dlan

IN WITNESS WHEREOF, I have hereunto signed my name as of June 30, 1992.

RTZ AMERICA INC.

By:

Barry Grossman

Secretary

Exhibit A

RESOLUTIONS
ADOPTED BY THE BOARD OF
RTZ AMERICA INC.
AT A SPECIAL MEETING
HELD ON JUNE 5, 1992

WHEREAS, Cyprus Mines Corporation, a Delaware Corporation ("Seller"), is the sole record and beneficial owner of all issued and outstanding shares of capital stock (the "Shares") of Cyprus Talc Corporation, a Delaware corporation ("Newco");

WHEREAS, Newco is the sole record and beneficial owner of all issued and outstanding shares of capital stock of Cyprus Industrial Minerals Corporation, a Nevada corporation, Cyprus Windsor Minerals Corporation, a Vermont corporation, and its subsidiary Cyprus Western Source Corporation, a California corporation, and Green Mountain Talc Corporation, a Delaware Corporation, and is the record and beneficial owner of of the issued and outstanding shares of DIMTA S.A., a company organized under the laws of Spain and is the record and beneficial owner of for the issued and outstanding shares of Nihon Mistron Company, a Tokyo, Japan corporation (collectively the "Other Companies"); and

WHEREAS, Seller desires to sell or cause the sale of, and the Corporation desires to purchase, the Shares; NOW, THEREFORE, BE IT,

RESOLVED, that the Stock Purchase Agreement, together with the Schedules and Exhibits attached thereto (the "Agreement"), among Seller, Cyprus Minerals Company, a Delaware corporation ("Cyprus"), and the Corporation, in substantially the form distributed to directors at this meeting and to be included with the minutes of this meeting, providing for the purchase by the Corporation from Seller of the Shares, together with all transactions contemplated thereby, be and hereby are approved, with such changes as the President, the Secretary, the Treasurer or any Director (each an "Authorized Officer") of the Corporation may approve, such approval to be conclusively evidenced by the execution and delivery thereof; and

FURTHER RESOLVED, that each of the Authorized Officers be, and each such Authorized Officer hereby is, authorized to take, or cause the Corporation or any of its subsidiaries to take, any actions they deem necessary or appropriate in order to obtain any and all necessary permits, authorizations, orders and approvals under applicable statutes or regulations, including federal,

state, local and foreign statutes or regulations, as may be required to carry out the transactions contemplated by the Agreement; and

FURTHER RESOLVED, that each of the Authorized Officers be, and each such Authorized Officer hereby is, authorized and directed to do and perform all such acts, deeds and things and to make, execute and deliver, or cause to be made, executed and delivered, all such applications, filings, agreements including the Agreement, documents, instruments or certificates in the name and on behalf of the Corporation as each such Authorized Officer may deem necessary or appropriate to effectuate or carry out fully the purpose and intent of these resolutions; and

FURTHER RESOLVED, that each of the Authorized Officers be, and each such Authorized Officer hereby is, authorized to execute and file any applications, certificates or other documents as may be necessary to carry out any one or more of the Agreements and the intent of the foregoing resolutions; and

FURTHER RESOLVED, that all actions heretofore taken by any officer or director of the Corporation in connection with, or with respect to, the matters referred to in the foregoing resolutions be and hereby are confirmed, ratified and approved in all respects.

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OFFICER'S CERTIFICATE CYPRUS MINES CORPORATION

I, P. C. Wolf, President of Cyprus Mines
Corporation, a Delaware corporation (herein called "Mines"),
do hereby certify, pursuant to Section 12(c) of the European
Stock Purchase Agreement (the "Agreement"), dated June 5,
1992 among Cyprus Mines Corporation and Talc da Luzenac
S.A., as amended, as follows:

- 1. The representations and warranties of Mines referred to in Section 12(a) and 12(b) of the Agreement are true in all material respects except for changes permitted or contemplated by the Agreement and except to the extent that any representation or warranty is made as of a specified date, in which case such representation or warranty is true in all material respects as of such date, and except to the extent the untruthfulness of the representations and warranties in the aggregate would not constitute a material adverse change or unanticipated and undisclosed material liability previously unknown to RTZ America, Inc. which would have a material adverse effect on the talc business of the Companies (as defined in the Agreement) as a whole.
- 2. Mines has performed and complied in all material respects with all of its undertakings and agreements required by the Agreement to have been complied with by it except to the extent non-compliance in the aggregate would not have a material adverse effect on the talc business of the Companies (as defined in the Agreement) as a whole.

IN WITNESS WHEREOF, the undersigned has hereunto subscribed his name and affixed the seal of Cyprus Mines Corporation this 30th day of June, 1992.

ATTEST:

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(CORPORATE SEAL)

ITA-Herford-003406

President

Cyprus Mines Corporation

Case 3:16-md-02738-MAS-RLS Document 26642-5 Filed 08/14/23 Page 193 of 399 PageID: 161921

REDACTED DOCUMENT

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TALC DE LUZENAC S.A. Officer's Certificate

I, Dr. Graham B. Lawson, Director of Talc Luzenac S.A., a company organized under the laws of France ("Luzenac"), pursuant to Section 11(c) of the European Stock Purchase Agreement dated as of June 5, 1992 (the "Purchase Agreement"), by and between Luzenac and Cyprus Mines Corporation, a Delaware corporation, hereby certify that (i) each of the representations and warranties of Luzenac contained in the Purchase Agreement are true in all material respects at and as of the date hereof with the same force and effect as though made at and as of the date hereof, except for changes permitted or contemplated by the Purchase Agreement and except to the extent that any representation or warranty is made as of a specified date, in which case such representation or warranty shall be true in all material respects as of such date, and (ii) Luzenac has performed and complied in all material respects with all its undertakings and agreements required by the Purchase Agreement to be performed or complied with by Luzenac prior to or on the date hereof.

IN WITNESS WHEREOF, I have hereunto signed my name as of June 30, 1992.

Director

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REDACTED DOCUMENT

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CYPRUS MINES CORPORATION

SECRETARY'S CERTIFICATE

<u>AND</u>

INCUMBENCY CERTIFICATE

The undersigned hereby certifies that he is the Secretary of Cyprus Mines Corporation, a Delaware corporation ("Cyprus Mines"), and that, as such, he is authorized to execute this certificate on behalf of Cyprus Mines, and further certifies, as of immediately prior to the consummation of the transactions contemplated by the Stock Purchase Agreement dated as of June 5, 1992, as amended, (the "Purchase Agreement"), by and among Cyprus Mines Corporation, Cypurs Minerals Company, and RTZ America, Inc. as follows:

- (i) attached hereto as Exhibit A is a complete and correct copy of the resolutions of the Board of Directors of Cyprus Mines authorizing the execution and delivery of the Purchase Agreement and the consummation of the transactions contemplated thereunder;
- (ii) the following persons are duly elected, qualified and acting officers of Cyprus

 Mines and the signature appearing opposite the name of such officer is his true signature:

NAME OFFICE

Philip C. Wolf President

Gerald J. Malys Senior Vice President

Dale E. Huffman Assistant Secretary

IN WITNESS WHEREOF, I have hereunto signed my name and affixed the seal of Wirus Mines Corporation this 3040 day of June, 1992.

CYPRUS MINES CORPORATION

BY:

Kevin Loughrey, Secretar

EXHIBIT A

RESOLVED, that the execution of that certain Stock Purchase Agreement dated June 5, 1992, as amended on June 24, 1992, among Cyprus Mines Corporation, Cyprus Minerals Company, and RTZ America Inc., a copy of which is attached hereto as Exhibit A, and the performance by this Corporation of its obligations thereunder hereby are authorized; and further

RESOLVED, that the President, any Senior Vice President, Vice President, the Controller, Treasurer, Secretary or Assistant Secretary of this Corporation, or any person designated by any of the foregoing hereby are authorized to take such action as is necessary or appropriate to give effect to the foregoing resolution, including but not limited to the authority to make amendments to the terms and conditions of the Agreement and to execute and deliver all such documents as may to such officer appear necessary or appropriate to carry out the intent of the resolutions.

REDACTED DOCUMEN	١	
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EXHBIT A

STOCK PURCHASE AGREEMENT

AMONG

CYPRUS MINES CORPORATION

CYPRUS MINERALS COMPANY

and

RTZ AMERICA INC.

Dated as of June 5, 1992

ITA-Herford-003412

STOCK PURCHASE AGREEMENT dated as of June 5, 1992 (herein, together with the Schedules and Annexes attached hereto, referred to as the "Agreement") by and among Cyprus Mines Corporation, a Delaware Corporation ("Seller"), Cyprus Minerals Company, a Delaware corporation ("Cyprus") and RTZ America Inc., a Delaware corporation ("Buyer").

WITNESSETH:

WHEREAS, Seller is the sole record and beneficial owner of all issued and outstanding shares of capital stock (the "Shares") of Cyprus Talc Corporation, a Delaware corporation ("Newco");

WHEREAS, Newco is the sole record and beneficial owner of all issued and outstanding shares of capital stock of Cyprus Industrial Minerals Corporation, a Nevada corporation; Cyprus Windsor Minerals Corporation, a Vermont corporation, and its subsidiary Cyprus Western Source Corporation, a California corporation; and Green Mountain Talc Corporation, a Delaware Corporation; and is the record and beneficial owner of the issued and outstanding shares of DIMTA S.A., a company organized under the laws of Spain and is the record and beneficial owner of of the issued and outstanding shares of Nihon Mistron Company, a Tokyo, Japan corporation (collectively the "Other Companies"); and

WHEREAS, upon the terms and conditions hereinafter set forth, Seller desires to sell or cause the sale of, and Buyer desires to purchase, the Shares;

NOW, THEREFORE, in reliance upon the representations and warranties made herein and in consideration of the mutual agreements herein contained, Buyer and Seller hereby agree as follows:

ARTICLE 1

DEFINITIONS

1.1 <u>Definitions</u>. For purposes of this Agreement, the following terms shall have the meanings set forth below:

"Accounting Principles" means the accounting principles, policies and procedures of the Companies set forth on Annex B hereto.

"Acquisition Proposal" shall have the meaning set forth in Section 7.10.

"Active Employee" shall have the meaning set forth in Section 7.4(a).

"Affiliate" means, with respect to any Person, any other Person directly or indirectly controlling, controlled by, or under common control with such other Person.

"Assets of the Companies" means all assets, properties and rights of the Companies recorded on the Reference Balance Sheet.

"Breach" shall have the meaning set forth in Section 11.1(a).

"Business Liabilities" shall have the meaning set forth in Section 7.6.

"Buyer Indemnitee" shall have the meaning set forth in Section 11.1.

"Claims" shall have the meaning set forth in Section 7.6.

"Closing" shall have the meaning set forth in Section 3.1.

"Closing Date" shall have the meaning set forth in Section 3.1.

"Code" means the Internal Revenue Code of 1986, as amended.

"Companies" shall mean collectively Newco and the Other Companies and each and every one of them shall be a "Company".

"Confidentiality Agreement" shall have the meaning set forth in Section 7.1.

"Control" (including, with correlative meanings, the terms "controlled by" and "under common control with"), as used with respect to any Person, means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of such Person, whether through ownership of voting securities, by contract or otherwise.

"Current Assets" shall have the meaning set forth in Section 4.2.

"Current Liabilities" shall have the meaning set forth in Section 4.2.

"Damages" shall have the meaning set forth in Section 11.1(a).

"Disputes Auditor" means Ernst & Young or any other independent accounting firm mutually agreed upon by Seller and Buyer.

"Encumbrances" shall have the meaning set forth in Section 5.3.

"Employee" shall have the meaning set forth in Section 5.14(i).

"Environmental Laws" mean any federal, state, foreign and local law, statute, ordinance, rule, regulation, code, license, permit, authorization, approval, consent, order, judgment, decree, injunction, requirement or agreement with any governmental entity and any judicial interpretation thereof, in effect on the Closing Date relating to (x) the protection, preservation or restoration of the environment, (including, without limitation, air, water vapor, surface water, groundwater, drinking water supply, surface land, subsurface land, plant and animal life or any other natural resource), or (y) the exposure to, or the use, storage, recycling, treatment, generation, transportation, processing, handling, labeling, production, Release or disposal of Hazardous Substances. The term Environmental Law includes, without limitation, the federal Comprehensive Environmental Response Compensation and Liability Act of 1980, the Superfund Amendments and Reauthorization Act (SARA), the Federal Water Pollution Control Act of 1972, the federal Clean Air Act, the federal Clean Water Act, the federal Resource Conservation and Recovery Act of 1976 (including the Hazardous and Solid Waste Amendments thereto), the federal Solid Waste Disposal and the federal Toxic Substances Control Act, the federal Insecticide, Fungicide and Rodenticide Act, each as in effect on the Closing Date. However, notwithstanding anything in this Agreement to the contrary, "Environmental Laws* shall not include (i) laws relating to product liability; and (ii) laws and regulations regarding human health or safety including without limitation, federal and state Occupational Safety and Health and Mine Safety and Health Acts (collectively, "Non-Environmental Laws").

"ERISA" means the Employee Retirement Income Security Act of 1974, as amended.

"European Companies" shall mean Cyprus Industrial Minerals de France SARL and Mistron Mineralien GmbH.

"Fee Property" shall have the meaning set forth in Section 5.8.

"Final Closing Statement" shall have the meaning set forth in Section 4.4.

"Financial Statements" shall have the meaning set forth in Section 5.5.

"Hamm Underground Mine Property" shall mean the property set forth on Annex C.

"Hazardous Substances" and "Hazardous Materials" mean any substance presently listed, defined, designated or classified as hazardous, toxic or radioactive under any Environmental Law, whether by type or by quantity, including any substance containing any such substance as a component. Hazardous Substance includes, without limitation, any toxic waste, pollutant, contaminant, hazardous substance, toxic substance, hazardous waste, special waste, industrial substance or petroleum or any derivative or by-product thereof, radon, radioactive material, asbestos containing material, urea formaldehyde foam insulation, lead and polychlorinated biphenyl.

"HSR Act" means the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended.

"Indemnifying Party" shall mean any party indemnifying an Indemnitee pursuant to the terms of this Agreement.

"Indemnitee" means any party indemnified pursuant to the terms of this Agreement.

"Intellectual Property Rights" shall have the meaning set forth in Section 5.15.

"Knowledge of Seller" means the actual or "Other Knowledge" of R.D. Baker, F.F. Beyl, R.J. Buettner, D.E. Huffman, J.D. Lessner, M.J. Lorang, L.J. Verkest, P.C. Wolf or B.R. Wright.

"Leased Property" shall have the meaning set forth in Section 5.8.

""Leases" shall have the meaning set forth in
Section 5.8.

"Liabilities of the Companies" means all liabilities and obligations of the Companies recorded on the Reference Balance Sheet.

"<u>Losses</u>" shall have the meaning set forth in Section 11.3.

"Mineral Property" shall have the meaning set forth in Section 5.8.

"Non-Represented Employee" means any Employee who is not a Represented Employee.

"Other Companies" shall have the meaning set forth in the Preamble.

"Other Knowledge" means information which should have been acquired by a reasonable person in the position of R.D. Baker, F.F. Beyl, R.J. Buettner, D.E. Huffman, J.D. Lessner, M.J. Lorang, L.J. Verkest, P.C. Wolf or B.R. Wright and having his respective knowledge of facts (which shall be deemed to include the representations and warranties to be given by Seller to Buyer in this Agreement) which should have caused such reasonable person to make due enquiries, which enquiries would have provided such information.

"Permitted Exceptions" shall have the meaning set forth in Section 5.8.

"<u>Person</u>" means an individual, corporation, partnership, trust or unincorporated organization or a government or any agency or political subdivision thereof.

"<u>Plan</u>" shall have the meaning set forth in Section 5.14.

"Possessory Property" shall have the meaning set forth in Section 5.8.

"<u>Pre-Closing Period</u>" means any Tax period ending on or prior to the Closing Date; and a "Post-Closing Period" means any Tax period that is not a Pre-Closing Period.

"Preliminary Closing Statement" shall have the meaning set forth in Section 4.2.

"<u>Purchase Price</u>" shall have the meaning set forth in Section 2.2.

"Real Property" shall have the meaning set forth in Section 5.8.

"Reference Balance Sheet" means the combined balance sheet of the Companies and the European Companies as of March 31, 1992 included in the Financial Statements.

"Release" has the same definition as in 42 U.S.C. 9601(22).

"Represented Employee" means any Employee who is a member of a unit of Employees covered by a collective bargaining agreement.

"Returns" means all returns, reports, estimates, declarations, information returns and statements of any nature with respect to Taxes, including, without limitation, consolidated federal income tax returns of the Seller's Group, declarations of estimated tax and tax reports required to be filed with respect to the Companies or their respective income, properties or operations.

"Seller Indemnitee" shall have the meaning set forth in Section 11.2.

"Seller's Group" shall mean any "affiliated group" (as defined in Section 1504(a) of the Code without regard to the limitations contained in Section 1504(b) of the Code) that includes the Seller or any predecessor of or successor to Seller (or another such predecessor or successor).

"Seller's Insurance Policies" shall have the meaning set forth in Section 7.6.

"Shares" shall have the meaning set forth in the Preamble.

"Subsidiaries" shall mean any Person (other than an individual) in which another person owns, beneficially or of record, securities or any other interest representing fifty percent (50%) or more of the aggregate voting power or equity interest in such Person.

"Tax" or "Taxes" means any federal, state, local or foreign income, gross receipts, profits, severance, franchise, license, transfer, sales, use, payroll, employment, withholding, property (real or personal), excise and similar taxes (including interest, penalties or additions to such taxes and any interest in respect of such penalties or additions), but excluding all sales, use, value added, transfer and similar taxes imposed in connection with the consummation of the transactions contemplated by this Agreement.

"Working Capital of the Companies" shall have the meaning set forth in Section 4.2.

ARTICLE 2

SALE AND PURCHASE OF SHARES

- 2.1. Sale and Purchase. Upon the terms and subject to the conditions contained herein, Seller will sell and transfer to Buyer, or cause the sale and transfer to Buyer of, and Buyer will purchase and accept, at the Closing, the Shares.
- 2.2. (a) <u>Purchase Price and Payment</u>. In consideration of the sale and transfer pursuant to Section 2.1, Buyer hereby agrees to pay to Seller a purchase price of (the "<u>Purchase Price</u>") by wire transfer as provided in Section 3.2(b).

ARTICLE 3

CLOSING AND TERMINATION

- 3.1. Closing. The closing of the transactions provided for herein (the "Closing") will take place at the offices of Sullivan & Cromwell at 125 Broad Street, New York, New York at 10:00 a.m. (local time) on June 30, 1992 provided all conditions set forth in Articles 7 and 8 are satisfied or, if on such date such conditions are not satisfied, on the fifth business day following the satisfaction of all conditions set forth in Articles 7 and 8 (other than the conditions specified in Section 7.6 and 8.6, which shall be satisfied at the Closing), or at such other time and place as Buyer and Seller shall agree (the "Closing Date").
- 3.2. Transactions on the Closing Date. (a) At the Closing, Seller will deliver or cause to be delivered to Buyer the following:
 - (i) stock certificates evidencing the Shares, in each case endorsed in blank or with an executed blank stock power attached, and in form suitable for transfer of valid title thereto to Buyer or its assigns, free and clear of any Encumbrances.
 - (ii) resignations of each of the directors and officers of each Company (except as Buyer may specify to Seller prior to Closing);
 - (iii) resignations of such auditors for each Company as Buyer may specify to Seller prior to Closing; and

- (iv) each of the certificates and other documents required by Article 9 hereof.
- (b) At the Closing, Buyer will deliver to Seller the following:
 - (i) the Purchase Price by wire transfer in immediately available funds in U.S. dollars to the following account:

Pittsburgh National Bank (PNB)
Pittsburgh PA

Cyprus Minerals Company

Further Credit: Cyprus Mines Corporation

the Closing shall not be deemed consummated until Seller shall have received confirmation from PNB of its receipt of the Purchase Price and;

- (ii) each of the certificates and other documents required by Article 8 hereof.
- 3.3. <u>Termination</u>. Anything contained in this Agreement other than in this Section 3.3 to the contrary notwithstanding, this Agreement may be terminated at any time prior to the Closing:
 - (a) by mutual consent of Buyer and Seller;
- (b) by either Buyer or Seller, if the transactions contemplated hereby are not consummated on or before August 31, 1992 (or such later date as may be agreed upon in writing by the parties hereto);
- (c) by Buyer, if Seller shall breach in any material respect any of its representations, warranties or obligations hereunder and all breaches in the aggregate constitute a material adverse change, or unanticipated and undisclosed material liability previously unknown to Buyer which would have a material adverse effect, on the talc business taken as a whole and such breach shall not have been cured in all material respects or waived by Buyer and Seller shall not have provided reasonable assurance that such breach will be cured in all material respects on or before the Closing Date.
- (d) by Seller, if Buyer shall breach in any material respect any of its representations, warranties or obligations hereunder and such breach shall not have been cured in all material respects or waived and Buyer shall not

have provided reasonable assurance that such breach will be cured in all material respects on or before the Closing Date.

3.4 Effect of Termination. Termination of this Agreement pursuant to this Article 3 shall terminate all provisions of this Agreement, except that Section 3.4, the last sentence of Section 7.1(a) and Sections 12.2, 12.3 and 12.11 shall survive any such termination; provided, however, that termination pursuant to Sections 3.3(c) or (e) shall not relieve the defaulting or breaching party hereunder from any liability to the other party hereto resulting from the default or breach hereunder of such defaulting or breaching party occurring prior to the date of termination.

ARTICLE 4

PRELIMINARY AND FINAL CLOSING STATEMENTS: ADJUSTMENTS

- 4.1 Working Capital. The parties intend that "Working Capital of the Companies", as defined in Section 4.2 below, shall be as of the Closing. Using the procedure set forth below, the parties shall determine the amount and manner by which Seller shall pay Buyer for any deficiency in Working Capital of the Companies below or by which Buyer shall pay Seller for any excess in Working Capital of the Companies over as of the Closing.
- 4.2 Preliminary Closing Statement. (a) As soon as reasonably possible after the Closing Date but in any event within sixty (60) days thereafter, Buyer shall prepare and deliver to Seller a statement of combined Working Capital of the Companies derived from a combined balance sheet for the Companies and the European Companies as of the Closing (the "Preliminary Closing Statement"). "Working Capital of the Companies" shall for all purposes of this Agreement mean, as the context requires, the difference between total Current Assets and total Current Liabilities of the Companies and the European Companies reflected on the Reference Balance Sheet, the Preliminary Closing Statement or the Final "Current Assets" shall for all purposes Closing Statement. of this Agreement mean, as the context requires, cash, money on deposit with banks and other financial institutions, securities (excluding the stock of its subsidiaries), accounts receivable from customers or employees of the Companies, other receivables, all crude, work-in-process, finished goods and other product inventories, materials and supplies, and prepaid expenses. "Current Liabilities" shall

for all purposes of this Agreement mean, as the context requires, the amount of accounts payable, short-term debt, the current portion of long-term debt, and accrued liabilities due within one year other than liability for federal income taxes. Any current assets retained by Seller at Closing shall be excluded from Working Capital of the Companies. Any current liabilities assumed or retained by Seller at Closing shall be excluded from Working Capital of the Companies. Current Assets and Current Liabilities shall be recorded consistent with the Accounting Principles. Seller shall assist Buyer, as reasonably requested by Buyer, in the preparation of such statement.

- (b) The Preliminary Closing Statement and the Final Closing Statement shall be prepared in accordance with the Accounting Principles applied on a basis consistent with that applied in preparing the Reference Balance Sheet. In the determination of Working Capital of the Companies, finished product and crude talc inventories shall be valued in accordance with Seller's normal inventory valuation procedures and such valuation shall not be subject to adjustment.
- (c) Seller will make available to Buyer and its representatives, as reasonably requested by Buyer, all books, records and other documents pertaining to the businesses of the Companies deemed necessary or desirable by Buyer in preparing the Preliminary Closing Statement.
- 4.3. Review of Statements. Seller and its independent certified public accountants may review the Preliminary Closing Statement and the books of account of Buyer relating to the Companies and the European Companies and may make inquiry of the representatives of Buyer's accountants and Buyer. The Preliminary Closing Statement shall be binding and conclusive upon, and deemed accepted by, Seller unless Seller shall have notified Buyer in writing within thirty (30) days after receipt of the Preliminary Closing Statement of any objections thereto. A notice under this Section 4.3 shall specify in reasonable detail the items in the Preliminary Closing Statement which are being disputed, and a summary of the reasons for such dispute.
- 4.4. Disputes: Final Closing Statement. (a) At the request of either party, any dispute between the parties relating to the Preliminary Closing Statement which cannot be resolved by them within thirty (30) days after receipt of notice of any objections to such Preliminary Closing Statement pursuant to Section 4.3 shall be referred to the Disputes Auditor for decision, which decision shall be final and binding on both parties. The parties agree that they

will require the Disputes Auditor to render its decision within thirty (30) days after referral of the dispute to the Disputes Auditor for decision pursuant hereto.

- (b) Before referring a matter to the Disputes Auditor, the parties shall agree on procedures to be followed by the Disputes Auditor (including procedures for presentation of evidence). If the parties are unable to agree upon procedures before the end of thirty (30) days after receipt of notice of any objections pursuant to Section 4.3, the Disputes Auditor shall establish procedures giving due regard to the intention of the parties to resolve disputes as quickly, efficiently and inexpensively as possible; the Disputes Auditor's procedures may be, but need not be, those proposed by either party, provided, that such procedure shall require the Disputes Auditor to render its decision within thirty (30) days after referral of the dispute to the Disputes Auditor for decision pursuant hereto. The parties shall, as promptly as practicable, submit evidence in accordance with the procedures agreed upon or established by the Disputes Auditor, and the Disputes Auditor shall decide the dispute in accordance therewith as promptly as practicable. The fee of the Disputes Auditor for, and relating to, the making of any such decision shall be borne by the parties equally.
- (c) The Preliminary Closing Statement shall become final and binding on both parties upon the earliest of (i) if no such notice has been given, the expiration of the period within which Seller may notify Buyer of any objections thereto pursuant to Section 4.3, (ii) agreement in writing by Seller and Buyer that such Preliminary Closing Statement, together with any modifications thereto agreed by Seller and Buyer, shall be final and binding and (iii) the date on which the Disputes Auditor shall issue its decision with respect to any dispute relating to such Preliminary Closing Statement. The Preliminary Closing Statement, as adjusted pursuant to any agreement between the parties or pursuant to the decision of the Disputes Auditor, when final and binding on both parties, is herein referred to as the "Final Closing Statement".
- 4.5 Adjustment. Promptly after the Preliminary Closing Statement having become final and binding on Seller and Buyer pursuant to Section 4.4, but in no event later than the fifth business day thereafter, the following shall occur:
- (a) If the Working Capital of the Companies as reflected on the Final Closing Statement exceeds

 Buyer shall pay to Seller, by wire transfer in immediately available funds to the account designated by

Seller not less than three business days prior to the date of such payment, an amount equal to such excess.

- (b) If the Working Capital of the Companies as reflected on the Final Closing Statement is less than ..., Seller shall pay to Buyer, by wire transfer in immediately available funds to the account designated by Buyer not less than three business days prior to the date of such payment, an amount equal to such deficit.
- 4.6 Effect of Payment. Notwithstanding any other provision of this Agreement to the contrary, any payment made by Seller to Buyer or Buyer to Seller under this Article 4 shall have no effect upon either party's obligations to the other party under any other provision of this Agreement, including without limitation, Article 11.

ARTICLE 5

REPRESENTATIONS AND WARRANTIES OF SELLER AND CYPRUS

Seller and Cyprus represent and warrant, jointly and severally, to Buyer that:

- 5.1 Organization of Seller, Cyprus and the Companies: Authority. Seller, Cyprus and each of the Companies is a corporation duly incorporated, validly existing and in good standing under the laws of the jurisdiction of its incorporation or organization, with, in the case of Seller and Cyprus, the corporate power and authority to enter into this Agreement and to perform their respective obligations hereunder. Each of the Companies is qualified to do business in each jurisdiction in which the nature of its business requires it to be so qualified except where failure to be so qualified would not have a material adverse effect on the assets, businesses, financial condition, results of operations or prospects of such The execution and delivery of this Agreement and the consummation of the transactions contemplated hereby have been duly authorized by all requisite corporate action on the part of Seller and of Cyprus. This Agreement has been duly executed and delivered by Seller and Cyprus and constitutes the valid, binding and enforceable obligation of Seller and Cyprus.
- 5.2. Ability to Carry Out the Agreement. Except as provided in Schedule 5.2, none of Seller, Cyprus or any of the Companies is subject to or bound by any provision of

- (i) any law, statute, rule, regulation or judicial or administrative decision.
- (ii) any articles or certificates of incorporation or by-laws,
- (iii) any mortgage, deed to secure debt, deed of trust, lease, note, shareholders' agreement, bond, indenture, other instrument or agreement, license, permit, trust, custodianship or other restriction, or
- (iv) any judgment, order, writ, injunction or decree of any court, governmental body, administrative agency or arbitrator,

that would prevent or be violated by or under which there would be a default as a result of, nor is the consent of any Person under any material contract or agreement to which any of the Companies or any of its predecessors is a party, which consent has not been obtained, required for the execution, delivery and performance by Seller of this Agreement and the transactions contemplated hereby.

- 5.3. Capitalization of the Companies: Ownership.
 (a) The authorized, issued and outstanding capital stock of each of the Companies are set forth in Schedule 5.3. All of the issued and outstanding shares of capital stock of each of the Companies are duly authorized, validly issued, fully paid and nonassessable. Except as set forth in Schedule 5.3, there are no outstanding options, warrants or other rights of any kind to acquire any additional shares of capital stock of any of the Companies or securities convertible into or exchangeable for, or which otherwise confer on the holder thereof any right to acquire, any such additional shares, nor is any of the Companies committed to issue any such option, warrant, right or security.
- (b) The Shares are owned of record and beneficially by Seller. Seller has good and valid title to the Shares, free and clear of any and all liens, claims, restrictions, encumbrances, security interests or options ("Encumbrances") and good and valid title to the Shares, free and clear of any and all Encumbrances will pass to Buyer on the Closing Date. Except as set forth on Schedule 5.3, Newco owns all shares of capital stock of the Other Companies, free and clear of any Encumbrances.
- 5.4. Equity Interests. Except as set forth in Schedule 5.3, none of the Companies or the European Companies has, directly or indirectly, any equity interest

in any other corporation, joint venture, partnership or other entity.

5.5. Financial Statements. Seller has heretofore furnished Buyer with copies of the following financial statements: (i) combined balance sheets for the Companies and the European Companies as of December 31, 1991 and as of March 31, 1992, and (ii) combined income statements and statements of cash flow (or, if applicable, changes in financial position) for the year ended December 31, 1991, and the period ended March 31, 1992 (such balance sheets and income statements and statements of cash flow (or, if applicable, changes in financial position), together with the comments thereto, being collectively referred to as the "Financial Statements"). The Financial Statements are attached hereto as Annex A. To the Knowledge of Seller, the Financial Statements have been prepared in conformity with the Accounting Principles as applied by the Companies on a consistent basis throughout the period covered by such statements and the accounting principles used in the preparation of the Financial Statements are consistent with the accounting principles used by Seller and amended from time to time in the preparation of its financial statements for the years 1989, 1990 and 1991. To the Knowledge of Seller, except as disclosed in the Reference Balance Sheet or in Schedule 5.5, as of March 31, 1992 there were no actual or contingent debts, liabilities or obligations of any of the Companies which were required to be disclosed on the Reference Balance Sheet or any note thereto by the Accounting Principles as applied by the Companies nor as of the Closing, any contingent debts, liabilities or obligations of any of the Companies which were required to be disclosed on the Final Closing Balance Sheet or any note thereto by the Accounting Principles as applied by the Companies.

5.6. Absence of Certain Changes or Events. To the Knowledge of Seller, except as set forth on Schedule 5.6, or specifically required by the Agreement to consummate the transactions contemplated by the Agreement, since December 31, 1991, the Companies have conducted their businesses in the ordinary and usual course, and there has not been (i) any change or amendment to the charter, by-laws or other organizational agreements of any of the Companies, (ii) any issuance or sale of any shares of capital stock of any of the Companies, or options, warrants or other rights of any kind to acquire any such shares or securities convertible into or securities exchangeable for, or which otherwise confer on the holder thereof any rights to acquire, any such shares, or enter into any agreement obligating it to do any of the foregoing, (iii) any non-cash dividends declared, set aside, paid or made with respect to the capital stock of any

of the Companies, except as provided in Section 7.3(b), (iv) any damage, destruction or other casualty loss of any asset or assets of the Companies (whether or not covered by insurance) which, singly or in the aggregate, has a Material Adverse Effect, (v) any increase in the compensation payable or to become payable by any of the Companies to any of its officers, directors or employees, or any increase in any bonus, insurance, pension or other employee benefit plan, payment or arrangement made by any of the Companies for or with any such officers, directors or employees, except in the ordinary course of business consistent with past practice (vi) any labor dispute, other than routine labor matters, (vii) any transaction between any of the Companies on the one hand and any of Seller, Cyprus or any of their Affiliates (other than the Companies) on the other hand, other than transactions in the ordinary and usual course of business, (viii) any acquisition or disposition of businesses or assets, other than in the ordinary course of business, (ix) any increased production or purchase of inventory in anticipation of the transactions contemplated by this Agreement, (x) any increase or decrease in the accounts receivable or accounts payable of the Companies in anticipation of the transactions contemplated by this Agreement or (xi) any other event or change of condition of any character which, singly or in the aggregate, has had or is reasonably likely to have a material adverse effect on the assets, businesses, financial condition, results of operations or, to the extent the event or change is caused by Seller, prospects, of the Companies taken as a whole.

5.7. Title to Personal Properties: Absence of Liens. To the Knowledge of Seller, except as set forth on Schedule 5.7, each of the Companies has good and valid title to, or valid and subsisting leasehold or other possessory interests in, all of its personal properties and assets reflected on the Reference Balance Sheet (except for property and assets disposed of since the date of the Reference Balance Sheet) or acquired since the date of the Reference Balance Sheet and required by the Accounting Principles to be recorded on the balance sheets of such Company, free and clear of any Encumbrances, except for Encumbrances which, individually or in the aggregate, do not exceed

5.8 Real Property Matters:

(a) <u>Title to Real Properties: Absence of Liens</u>. To the Knowledge of Seller, the Companies (i) own good and valid fee simple title in and to those certain real properties more particularly identified by parcel on Schedule 5.8 (the "Fee Property"), free and clear from any and all Encumbrances other than those identified as

Permitted Exceptions on Schedule 5.8 (the "Permitted Exceptions"), (ii) own good and valid fee simple title to certain mineral rights pursuant to certain Deeds more particularly identified by parcel on Schedule 5.8 (the "Mineral Property") (iii) hold valid and subsisting leasehold estates in and to those certain real properties more particularly identified by parcel on Schedule 5.8 (the "Leased Property"), pursuant, in each case, to a valid and subsisting lease (individually, "Lease" and collectively, the "Leases") identified, as to each Leased Property, on Schedule 5.8. and (iv) hold a possessory interest in certain unpatented mining claims subject to the paramount title of the United States Government as set forth on Schedule 5.8 (the "Possessory Property"). The Fee Property, the Mineral Property, the Leased Property and the Possessory Property are hereinafter referred to as the "Real Property". To the Knowledge of Seller, Schedule 5.8 also includes a complete and accurate list of all patented and unpatented mining claims of the Companies.

- (b) <u>Wetlands</u>. To the Knowledge of Seller, except as set forth on Schedule 5.8, there does not exist any written survey, study or report which claims specifically that any portion of the Real Property is a wetland as that term is used and defined in The Clean Water Act, 33 U.S.C. §§ 1251 et seq., as amended, which would render previously disclosed talc reserves unrecoverable.
- (c) Real Property Records. Seller has made available to Buyer, to the extent in Seller's possession or control, or in the possession or control of one of the Companies, copies of any documents directly relating to the Real Property, including, without limitation, copies of any and all title insurance policies, title commitments, title abstracts; deeds and options; leases and pipeline documents; plans and surveys; and environmental studies, surveys and reports. In addition, in the event any additional items become available to Seller during the term of this Agreement, Seller shall promptly make such items or copies of such items available to Buyer.
- (d) <u>Preservation of Mineral Rights</u>. To the Knowledge of Seller, except as set forth in Schedule 5.8, the Companies have good and valid title or possessory interest (where indicated) to the mineral rights located on the Real Property and each of them and its respective immediate predecessors have complied in all material respects with the requirements of any

and all federal, state or local laws or ordinances related to the preservation of such mineral rights.

- (e) Operations Within Boundary Lines. To the Knowledge of Seller, except as set forth in Schedule 5.8, the activities conducted by any of the Companies and the improvements located on the Real Property are in all material respects within the boundary lines of the Real Property as described in Schedule 5.8 and there are no material encroachments by others onto the Real Property.
- (f) <u>Condemnation</u>. To the Knowledge of Seller, there is not now pending any condemnation or similar proceeding which affects the Real Property or any portion thereof. Seller has received no notice that any such proceeding or taking by condemnation is contemplated.
- 5.9 <u>Litigation</u>. To the Knowledge of Seller, except as set forth on Schedule 5.9, there is no action, suit, proceeding or investigation pending or threatened against any Company or relating to any Company's properties, at law, in equity or otherwise, in, before, or by any court or governmental agency or authority. To the Knowledge of Seller, there are no unsatisfied judgments or outstanding orders, injunctions, decrees, stipulations or awards (whether rendered by a court, an administrative agency or by an arbitrator) against any of the Companies or against any Real Property or any other of their properties, assets or businesses.
- 5.10 Compliance with Law. To the Knowledge of Seller, except as with respect to matters set forth in Section 5.16 which are covered therein, and except as set forth on Schedule 5.10, the business of each Company is being conducted, and has at all times during the last three years been conducted by a Company or its predecessor, in material compliance with all laws, ordinances and regulations of any governmental entity, common law and equitable doctrines applicable to such Company (including, without limitation, Non-Environmental Laws). To the Knowledge of Seller, all material governmental approvals, permits and licenses required by any Company in connection with the conduct of its business have been obtained and are in full force and effect and are being complied with in all material respects.
- 5.11 <u>Contracts</u>. (a) To the Knowledge of Seller, Schedule 5.11 sets forth each written contract or agreement outstanding as of the date hereof to which any Company is a party or to which any of its properties are bound and which,

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- (i) involves future payment or receipt of in excess of or future performance or receipt of services or delivery or receipt of goods and materials, in each case with an aggregate value in excess of including, but not limited to, sale and purchase agreements, distributorship agreements and loan agreements, notes and other financing documents;
- (ii) is a guarantee in respect of indebtedness of any Person (other than a Company) which may involve future payment by a Company in excess of or is a mortgage, security agreement or other collateral arrangement securing indebtedness of any Person (other than a Company) and creating Encumbrances on properties and assets of a Company;
- (iii) is a lease providing for monthly rental payments by a Company in excess of (exclusive of charges for taxes, insurance, utilities, maintenance and repair);
- (iv) is an employment or consulting contract
 or is a collective bargaining agreement;
 - (v) is a technology license agreement;
- (vi) contains a change of control provision or provisions of similar effect;
- (vii) is between any Company and Seller
 or any of Seller's Affiliates (other than any Company);
 - (viii) is not an arm's-length agreement; or
- (ix) contains any restriction on the Companies ability to compete with any other business.
- (b) To the Knowledge of Seller, there is no material default by any Company or any other party, under any contract or agreement set forth or described in Schedule 5.11.
- 5.12. Brokers and Intermediaries. Except for Dillon Read & Co., neither Seller nor any Company has employed any broker, finder, advisor or intermediary in connection with the transactions contemplated by this Agreement which would be entitled to a broker's, finder's or similar fee or commission in connection therewith or upon the consummation thereof. Seller shall be responsible for making any payments to which Dillon Read & Co. shall be entitled.

- 5.13. Tax Matters. (a) Except as set forth in Schedule 5.13, (i) all Returns with respect to Taxes that are required to have been filed by or with respect to the Seller's Group prior to the date of this Agreement, including any of the Companies, have been duly filed, (ii) all Taxes shown to be due on the Returns referred to in clause (i) or in assessments received have in either case been paid in full, (iii) the Returns referred to in clause (i) have been examined by the Internal Revenue Service or the appropriate state, local or foreign taxing authority or the period for assessment of the Taxes in respect of which such Returns were required to be filed has expired, (iv) all deficiencies asserted or assessments made as a result of such examinations have been paid in full, (v) no issues that have been raised by the relevant taxing authority in connection with the examination of any of the Returns referred to in clause (i) are currently pending, (vi) no waivers of statutes of limitation have been given or requested by or with respect to any Taxes of the Seller's Group or any of the Companies, (vii) there are no adjustments required by Section 481 of the Code or similar carryover items that would affect the income tax liability of any of the Companies for a tax year that ends after the Closing Date, and (viii) no adjustments have been made or proposed by the Internal Revenue Service or the appropriate state, local or foreign taxing authority with respect to any of the Returns referred to in clause (i) which would in any way affect the liability for Taxes of any of the Companies for any taxable year or periods ending after the Closing
- (b) No tax is required to be withheld pursuant to Section 1445 of the Code as a result of the transfer contemplated by this Agreement.
- (c) As a result of Buyer's purchase of the Shares, neither Buyer nor any Company will be obligated to make a payment to an individual that would be a "parachute payment" to a "disqualified individual" as those terms are defined in Section 280G of the Code, without regard to whether such payment is reasonable compensation for personal services performed or to be performed in the future.

5.14. Employee Benefits.

(i) All benefit plans, contracts or arrangements having a benefit value exceeding, in present value terms (determined using a discount rate of 8-1/2% per annum), (regardless of whether they are funded or unfunded, foreign or domestic, contractual or not) covering current employees or former employees of the Companies (the "Employees"), including, but not limited to, "employee

benefit plans" within the meaning of Section 3(3) of ERISA, and plans of deferred compensation (the "Benefit Plans"), are listed in Schedule 5.14. True and complete copies of all Benefit Plans including, but not limited to, any trust instruments and insurance contracts forming a part of any Benefit Plans, summary plan descriptions and all amendments thereto have been made available to Buyer.

(ii) To the Knowledge of Seller, all employee benefit plans, other than "multiemployer plans" within the meaning of Section 3(37) or 4001(a)(3) of ERISA, covering Employees (the "Plans"), to the extent subject to ERISA, are in substantial compliance with ERISA. Knowledge of Seller, except as set forth on Schedule 5.14, each Plan which is an "employee pension benefit plan" within the meaning of Section 3(2) of ERISA ("Pension Plan") and which is intended to be qualified under Section 401(a) of the Code, has received a favorable determination letter, or is currently the subject of a request for a determination letter, from the Internal Revenue Service, and Seller is not aware of any circumstances likely to result in refusal or revocation of any such favorable determination letter. To the Knowledge of Seller, there is no material pending or threatened litigation relating to the Plans. To the Knowledge of Seller, the Companies have not engaged in a transaction with respect to any Plan that, assuming the taxable period of such transaction expired as of the date hereof, could subject the Companies to a tax or penalty imposed by either Section 4975 of the Code or Section 502(i) of ERISA in an amount which, individually or in the aggregate, would be material.

(iii) To the Knowledge of Seller, no liability under Subtitle C or D of Title IV of ERISA has been or is expected to be incurred by the Companies with respect to any ongoing, frozen or terminated "single-employer plan", within the meaning of Section 4001(a)(15) of ERISA, currently or formerly maintained by any of them, or the single-employer plan of any entity which is considered one employer with any Company under Section 4001 of ERISA or Section 414 of the Code (an "ERISA Affiliate"). Knowledge of Seller, the Companies have not incurred and do not expect to incur any withdrawal liability with respect to a multiemployer plan under Subtitle E of Title IV of ERISA (regardless of whether based on contributions of an ERISA Affiliate). To the Knowledge of Seller, no notice of a "reportable event", within the meaning of Section 4043 of ERISA for which the 30-day reporting requirement has not been waived, has been required to be filed for any Pension Plan or by any ERISA Affiliate within the 12-month period ending on the date hereof.

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- (iv) To the Knowledge of Seller, all contributions required to be made under the terms of any Benefit Plan have been timely made. Neither any Pension Plan nor any single-employer plan of an ERISA Affiliate has an "accumulated funding deficiency" (whether or not waived) within the meaning of Section 412 of the Code or Section 302 of ERISA and no ERISA Affiliate has an outstanding funding waiver. To the Knowledge of Seller, the Companies have not provided, or are required to provide, security to any Pension Plan or to any single-employer plan of an ERISA Affiliate pursuant to Section 401(a)(29) of the Code.
- (v) To the Knowledge of Seller, except as previously disclosed in writing to the Buyer, under each Pension Plan which is a single-employer plan, as of the last day of the most recent plan year ended prior to the date hereof, the actuarially determined present value of all "benefit liabilities", within the meaning of Section 4001(a)(16) of ERISA (as determined on the basis of the actuarial assumptions contained in the Plan's most recent actuarial valuation), did not exceed the then current value of the assets of such Plan, and there has been no material change in the financial condition of such Plan since the last day of the most recent plan year. To the Knowledge of Seller, the withdrawal liability of the Companies under each Benefit Plan which is a multiemployer plan to which the Companies or an ERISA Affiliate has contributed during the preceding 12 months, determined as if a "complete withdrawal", within the meaning of Section 4203 of ERISA, had occurred as of the date hereof, does not exceed
- (vi) To the Knowledge of Seller, the Companies have no obligations for post retiree health and life benefits under any Benefit Plan, except as set forth on Schedule 5.14. To the Knowledge of Seller, there are no restrictions on the rights of the Companies to amend or terminate any such Benefit Plan or any post retirement medical plan covering Active Employees without incurring any liability thereunder, except for any restrictions set forth in the Plan or arising under a collective bargaining agreement.
- 5.15. Patents and Trademarks. To the Knowledge of Seller, the Companies own or have the rights to use, without payment of any consideration, all patents, patent applications, trademarks, trademark applications, service marks, trade names, copyrights, licenses and rights which are necessary for use in connection with the businesses of the Companies (collectively, the "Intellectual Property Rights"). The Intellectual Property Rights owned by the Companies are described on Schedule 5.15 hereto. To the Knowledge of Seller, the use and registration of the

Intellectual Property Rights do not conflict with the intellectual property rights of any other person, firm or corporation and no other person's, firm's or corporation's operations conflict with the use and registration of the Intellectual Property Rights. To the Knowledge of Seller, there are no suits pending or threatened by any of the Companies claiming a conflict by such Company with any intellectual property rights of third parties or a conflict by any third party claiming a conflict by such third party with any of the Intellectual Property Rights.

- 5.16. Environmental Matters. For the purpose of this Section 5.16 only, and expressly not for the purpose of Section 11.3 hereof, "Predecessors" shall mean the companies that operated Seller's talc business immediately prior to the creation of Newco. Except as set forth on Schedule 5.16:
- (a) Each of the Companies has obtained all material permits, licenses and other such authorizations required to be obtained by it for the operation of its business under all applicable Environmental Laws.
- (b) Each of the Companies is, and each of the Companies and its Predecessors has been, in material compliance with all applicable Environmental Laws.
- (c) None of Seller, any Company or any of their respective Predecessors have received any written notice during the last six years of any material violation of any Environmental Law by the Companies or their respective Predecessors, and there are no civil, criminal or administrative actions, suits, hearings, proceedings, written notices of violations, claims or demands pending or, to the Knowledge of Seller, threatened against any Company or with respect to any property owned or previously owned by any Company or its Predecessor under any Environmental Law. None of the Companies has received any written notice of any actual or threatened Release of any Hazardous Substance in violation of any Environmental Law.
- (d) None of the Companies or any of its Predecessors have generated, transported, or disposed, and none of the Companies is generating, transporting or disposing, of any Hazardous Substances to, in, upon, about, or under any property wherever situated, which have resulted in a Release giving rise to any material claims, losses, damages (including consequential and other damages), liabilities, penalties, expenses, demands, fines, or cleanup or monitoring costs; under and as a result of a violation of any Environmental Law.

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- (e) None of the Companies and no other party has been involved in any activity in, upon, about, or under the Real Property or any parcel or portion thereof, and none of the Companies or any of its Predecessors have been involved in any activity in, upon, about, or under any property previously owned by any Company or its Predecessors, in connection with the generation, use, handling, treatment, removal, storage, clean up, transport, or disposal of any Hazardous Substances which have resulted in a Release giving rise to any claims, losses, damages (including consequential and other damages), liabilities, penalties, expenses, demands, fines or cleanup or monitoring costs; under and as a result of a violation of any Environmental Law.
- (f) To the Knowledge of Seller, there are not now any underground storage tanks (as such term is defined in 40 CFR § 280.12) in, upon, about or under any of the Real Property or any parcel or portion thereof.
- (g) Seller has made available in writing to Buyer which equipment of the Companies contain PCB and Seller has made available to Buyer all reports relating thereto.
- (h) There are not now, nor has there ever to the Knowledge of Seller been, any areas in, upon, about, or under the Real Property or any parcel or portion thereof which should have been permitted as treatment, storage, or disposal facilities under the Resource Conservation and Recovery Act, 42 U.S.C. Section 6901 et seg.
- 5.17 <u>Improper Payments</u>. To the Knowledge of Seller, no improper payment has been made by or on behalf of any of the Companies which is in violation of any applicable federal, state, local or foreign law.
- 5.18 <u>Insurance</u>. Full and complete copies of all property and casualty insurance policies which currently insure each of the Companies have been made available to Buyer.
- 5.19 <u>Talc Reserves</u>. Seller has made available its talc reserve written data to Buyer. To the Knowledge of Seller, Seller's reporting of talc reserves is consistent with the reserve reporting requirements of the U.S. Securities and Exchange Commission.
- 5.20 Entire Business. The Companies and the European Companies conduct all of the talc business of Seller and its Affiliates and own (without any right, title or encumbrance in favor of Seller or any of its Affiliates other than the Companies) all of the assets, rights or interests relating to such business, other than Cyprus logos

and the Hamm Underground Mine Property, that are owned by Seller or any of its Affiliates. The assets of the Companies as of the Closing Date will be sufficient to enable the Companies to carry out the talc business of Seller and its Affiliates as presently conducted by Seller and its Affiliates.

- 5.21 <u>Mining and Technical Matters</u>. (a) For the purposes of this representation and warranty, "<u>Mineral Rights</u>" means all rights, leases, concessions, licenses and other entitlements to explore for, mine and extract all and any minerals.
- (b) To the Knowledge of Seller, except as set forth on Schedule 5.8, each Company is duly authorized to carry on production of minerals in each jurisdiction where it presently carries on such activities, has good and valid title to all Mineral Rights required in connection with its current operations and possesses all rights of access, easements, rights to water, power and other services necessary for the said operations.
- (c) To the Knowledge of Seller, each Company is duly authorized to carry on exploration for minerals (where such exploration is currently in progress) in each jurisdiction where it carries on such activities.
- (d) To the Knowledge of Seller, all Mineral Rights held by a Company are in full force and effect and, free from cancellation, forfeiture or any accrued right of termination and there has been no material adverse change in the condition of or rights under the same except depletion of ore reserves due to operations in the ordinary course of business; provided, however, that with respect to cancellation of possessory interests, Seller only represents and warrants that it has not received any written notice of cancellation.
- (e) To the Knowledge of Seller, no Company has received any notice of default or claim of default or of any current or threatened expropriation, withdrawal or cancellation of any Mineral Rights nor are there any suits or proceedings in progress or pending or threatened against or affecting any Mineral Rights or the minerals produced therefrom which, if decided adversely, would materially prejudice the Mineral Rights or the rights enjoyed thereunder.
- (f) To the Knowledge of Seller, except as set forth on Schedule 5.8, none of the Mineral Rights nor the production of minerals thereunder is subject to any royalty, production payment, lien, charge, security interest or other

encumbrance, and no Company is obliged by virtue of any prepayment under any contract providing for the sale of any such minerals or under any similar arrangement to deliver any of such minerals at any future date without then or in due course thereafter receiving full payment therefor.

- (g) To the Knowledge of Seller, the records supplied to Buyer relating to:
 - (i) geological, geophysical, geochemical, drilling and other engineering data;
 - (ii) maps and drawings showing mining operations carried out;
 - (iii) ore reserve estimates and production data; and
 - (iv) metallurgical test work,

are true and accurate, within the standards of the industry, in all material respects.

- 5.22 <u>Disclosure</u>. To the Knowledge of Seller, all written information which has been given by Seller or any representative of Seller to Buyer or any representative of Buyer, is true, complete and accurate in all material respects and there are no facts, matters or circumstances which render any such information inaccurate or misleading in any material respect.
- 5.23 <u>Inventory</u>. All inventories of the Companies are of a quality and specification conforming to the usual standards used by the Companies, and except as set forth on Schedule 5.23, all inventories are reflected on the Reference Balance Sheet in accordance with the Accounting Principles to realizable value on a going-concern basis. There are no talc ores included in the inventories of the Companies that can not produce products in conformity with the Companies existing product specifications and existing production methods.
- 5.24 <u>Condition of the Assets of the Companies</u>. To the Knowledge of Seller, all of the physical assets of the Companies, including machinery and equipment, are in reasonable operating condition required for the current conduct of the business of the Companies, normal wear and tear excepted.
- 5.25 Accounts Receivable. To the Knowledge of Seller, all accounts receivable of the Companies and the European Companies shown on the Reference Balance Sheet, and

all accounts receivable arising thereafter and prior to the Closing shown in the books of the Companies, arose and will arise in the ordinary course of business and are fully collectible, except to the extent a bad debt reserve has been established for such accounts receivable in accordance with the Accounting Principles.

- 5.26 Formation of Newco. Newco was incorporated on April 1, 1992 in the State of Delaware. Since its date of incorporation, Newco has not engaged in any activity other than activities contemplated and disclosed to Buyer in connection with the restructuring of the talc business of Seller and its Affiliates.
- 5.27 Working Capital of the Companies. To the Knowledge of Seller, no individual working capital item set forth on the Reference Balance Sheet has changed by more than since the date of the Reference Balance Sheet, except for changes in the ordinary course of business of the Companies.
- 5.28 <u>Disclaimer</u>. No representations or warranties have been made to Buyer by Seller other than those expressly set forth in this Agreement.

ARTICLE 6

REPRESENTATIONS AND WARRANTIES OF BUYER

Buyer represents and warrants to Seller that:

- 6.1 Organization and Authority of Buyer. Buyer is a Delaware corporation, with the corporate power and authority to enter into this Agreement and to perform its obligations hereunder. The execution and delivery of this Agreement and the consummation of the transactions contemplated hereby have been duly authorized by all requisite corporate action on the part of Buyer. This Agreement has been duly executed and delivered by Buyer and, constitutes the valid, binding and enforceable obligation of Buyer.
- 6.2 Ability to Carry Out the Agreement. Buyer is not subject to or bound by any provision of
 - (i) any law, statute, rule, regulation or judicial or administrative decision,
 - (ii) any articles or certificates of incorporation or by-laws,

- (iii) any mortgage, deed to secure debt, deed of trust, lease, note, shareholders' agreement, bond, indenture, other instrument or agreement, license, permit, trust, custodianship, other restriction, or
- (iv) any judgment, order, writ injunction or decree of any court, governmental body, administrative agency or arbitrator,

that would prevent or be violated by or under which there would be a default as a result of, nor is the consent of any Person under any material contract or agreement which has not been obtained required for, the execution, delivery and performance by Buyer of this Agreement and the transactions contemplated hereby.

- 6.3. Brokers and Intermediaries. Buyer has not employed any broker, finder, advisor or intermediary in connection with the transactions contemplated by this Agreement which would be entitled to a broker's, finder's, or similar fee or commission in connection therewith or upon the consummation thereof.
- 6.4. <u>Investment</u>. Buyer is acquiring the Shares for its own account for investment, without a view to, or for resale in connection with, the distribution thereof in violation of federal or state securities laws and with no present intention of distributing or reselling any part thereof. Buyer will not so distribute or resell any Shares in violation of any such law.

ARTICLE 7

OF SELLER, CYPRUS AND BUYER

Notice of Breaches. (a) Seller shall permit Buyer and its representatives (including, without limitation, its public accountants, counsel and other advisors) after the date of this Agreement to have access during normal business hours, upon reasonable advance notice to Seller to the officers and directors of the Companies and/or the Seller (as appropriate), the auditors of the Companies and any and all of the premises, properties, contracts, books, records and data of or relating to each of the Companies. Without limiting the foregoing, Buyer, its public accountants, counsel and other advisors shall have the right at any time and from time to time prior to Closing to enter the Real

Property, or any portion or parcel thereof, for the purpose of obtaining a survey, either boundary or as-built, of such Real Property, conducting Phase I environmental audits and property audits of Real Property, surveying and otherwise examining the physical, hydrological and topographical nature of the Real Property. "Phase I environmental audits" shall be understood to consist of walk-throughs of any of the Real Property or facilities thereon, review of documents relating to environmental issues, interviews of personnel with knowledge relating to environmental issues, and review of public records. Such access shall be conducted by Buyer and its representatives in such a manner as not to interfere unreasonably with the business or operations of Seller or any Company. All information provided to Buyer pursuant hereto shall be subject to that certain confidentiality agreement executed by an affiliate of Buyer and dated April 24, 1991 (the "Confidentiality Agreement").

- (b) From the date hereof through and including the Closing Date, Seller shall cause the Companies to give full access to Buyer and its representatives for the purpose of testing Seller's talc reserves, using standard industry testing techniques. Such access shall be conducted by Buyer and its representatives in such a manner as not to interfere unreasonably with the business or operations of Seller or any Company.
- 7.2 Regulatory Filings. Each party hereto will furnish to the other party hereto such necessary information and reasonable assistance as such other party may reasonably request in connection with its preparation of necessary filings or submissions to any government agency related to this transaction.
- 7.3 Conduct of Business: Intercompany Accounts.

 (a) Prior to the Closing, and except as set forth in Schedule 7.3 or otherwise contemplated by this Agreement or consented to or approved by Buyer in writing, Seller covenants and agrees that:
 - (i) it will cause the businesses conducted by the Companies to be operated only in the ordinary and usual course and use all reasonable efforts to preserve the properties and relationships with suppliers and customers of such businesses;
 - (ii) it will cause each Company not to issue or sell any shares of capital stock of such Company, or issue or sell any options, warrants or other rights of any kind to acquire any such shares or securities convertible into or exchangeable for, or which otherwise confer on the holder thereof any right to

acquire, any such shares, or enter into any agreement obligating it to do any of the foregoing;

- (iii) except for the contemplated transfer of assets from Seller to Newco, it will not, other than in the ordinary course of business, cause the transfer of any material assets or contracts, or hire, fire or transfer any key employees to or from any subsidiary, division or other business unit within or among the Companies;
- (iv) it will cause each of the Companies not to change or amend its charter, by-laws or other organization agreements;
- (v) it will cause the Companies not to acquire or to dispose of any property, right or other asset employed in the business of the Companies, other than in the ordinary course of business (it being understood that the purchase or sale of talc reserves shall not be considered in the ordinary course of business for purposes of this paragraph (v));
- (vi) it will cause the Companies to or will itself keep in full force and effect insurance on assets and Real Property and other property of the Companies or for the benefit of employees of the Companies, liability and other casualty insurance related to the Companies, and bonds on personnel of the Companies in accordance with the past practices of the Companies, and it will ensure that all proceeds received under such insurances will remain assets of the Companies at the Closing or will be transferred to the Companies prior to the Closing;
- (vii) it will cause the Companies not to enter into or to amend any employment, bonus, severance or retirement contract or arrangement or any employee benefit plan with regard to the Companies;
- (viii) it will cause the Companies not to increase any salary or other form of compensation payable or to become payable to any of the executives or employees of the Companies, or to pay any bonuses to any of such executives or employees, except for payments made in the ordinary course and for such payments to be made pursuant to the bonus or profit sharing provisions of the employment agreements listed on Schedule 5.14 hereto;
- (ix) it will cause the Companies not to enter into, make, agree upon or to agree to enter into

- (A) other than in the ordinary course, any contract, purchase or sale order, or other commitment, or (B) any real property lease requiring an expenditure or payment in excess of per annum or which cannot be terminated by the relevant Company within a period not exceeding 12 months;
- (x) it will cause the Companies not to incur any debt or obligation for borrowed funds and not to extend credit in the sale of products, collection of receivables or otherwise, other than in the ordinary and regular course of business;
- (xi) it will cause the Companies not to take any action and not to cause any action to be taken by any party, which action would materially and adversely affect the businesses of any of the Companies, including, without limitation, the state of title of any of the Companies in and to any material portion of the Real Property. It will not permit any Company to fail to exercise any option to extend or exercise any option to terminate any Lease between the date hereof and the Closing without Buyer's prior written consent as to each such non-extension or termination of any Lease, or amend or modify any such Lease except in the ordinary course;
- (xii) it will not permit any of the Companies to wind up, liquidate or dissolve or to enter into any transaction of merger or consolidation; and
- (xiii) it will not, and it will not permit any of the Companies to, agree to take any of the foregoing actions.
- (b) Seller and Buyer agree that all intercompany accounts between Seller or any Affiliate of Seller (other than a Company) and any Company shall be settled with payment effective prior to the Closing and to the extent such settlement is not feasible at or prior to the Closing, shall be settled as soon as practicable after Closing, and such settlement shall be effective as of prior to Closing.
- 7.4. Employee Matters. (a) Ongoing Employment. Buyer shall ensure that all persons who were employed by any Company immediately preceding the Closing Date, including those on vacation, leave of absence or disability (whether short-term or long-term disability or workers's compensation) and those subject to or on lay-off (but only, in the case of employees subject to or on lay-off, to the extent a collective bargaining agreement providing for

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recall rights is applicable to such employees) ("Active Employees", which term shall be defined as those individuals identified above), will be employed by Buyer or any Affiliate of Buyer (including but not limited to the Companies) on the Closing Date, on substantially the same terms (regarding salary, job responsibility and location but excluding retirement and welfare benefits) as those provided to such Active Employees immediately prior to the Closing Date. The employment of any Active Employee by Buyer on the Closing Date does not create a right to ongoing employment with Buyer other than may exist under a collective bargaining agreement or an individual agreement.

(b) Welfare Benefit Plans.

- (i) Seller shall retain the responsibility for providing for payment of all (A) claims of Employees under any medical, dental, hospital or health plans for previously documented physical or mental conditions in existence on the Closing Date, and provided that a claim for such condition is made within one year of the Closing Date, and (B) claims incurred under any life insurance plans for death occurring prior to the Closing Date.
- (ii) Seller shall retain the responsibility for providing for payments of all long-term disability claims (including long-term disability claims that result from continuous short-term disability claims in existence on the Closing Date) arising from disabilities of Employees that occurred prior to the Closing Date and up until such time as the Employee returns to work with the relevant Company on a full-time, unrestricted basis for at least 30 days. Buyer shall assume the responsibility for providing for payments of all short-term disability claims arising from such disabilities.
- (iii) Seller shall retain the responsibility for providing for payments of all worker's compensation claims made on or before the Closing Date, provided, however, that Seller shall only be liable under this paragraph (iii) for payments in excess of the amount accrued with respect thereto on the Final Closing Statement. Buyer shall assume the responsibility for providing for payments of all worker's compensation claims made after the Closing Date.
- (iv) Seller shall retain the responsibility for providing Non-Represented Employees who retired (or if applicable who terminated with vested benefits) prior to the Closing Date with retiree health and life

benefit under the Benefit Plan(s) which covered such Employees prior to the Closing Date. As of the Closing Date, Buyer assumes all liabilities for vested and non-vested post-retirement medical and life insurance-benefits with respect to Non-Represented Employees who are Active Employees.

- (v) Seller shall retain the responsibility for providing Employees who terminated employment with the relevant Company prior to the Closing Date (and their "qualified beneficiaries" within the meaning of Section 4980B of the Code) with the continuation of group health coverage required by Section 4980B of the Code.
- (vi) Buyer shall assume Seller's obligations and responsibilities under all collective bargaining agreements covering Employees.

(c) <u>Pension Plans</u>.

(i) Effective as of the Closing Date, Buyer shall amend an appropriate pension plan to be designated by Buyer (the "Buyer Pension Plan") to provide that (A) upon the transfer of assets referred to below, the service of Active Employees who participated in the Retirement Plan for Salaried Employees of Cyprus Minerals Company or the Cyprus Industrial Minerals Company Division Pension Plan for Yellowstone Mine Hourly Employees (the "Seller Pension Plans") shall be recognized for all purposes thereunder (including benefit accrual) to the extent such service was recognized under the relevant Seller Pension Plan and (B) upon such transfer, the accrued benefits under the Buyer Pension Plan of Active Employees who participated in either of the Seller Pension Plans shall in no event be less than their accrued benefits under such Seller Pension Plan as of the Closing Date.

As soon as reasonably practicable, but in any event (unless both Buyer and Seller otherwise agree) within 180 days after the Closing Date, Seller shall cause to be transferred from the trusts under the Seller Pension Plans to the trust under the Buyer Pension Plan an amount in cash equal to the actuarial present value of the "benefit liabilities" (within the meaning of Section 4001(a)(16) of ERISA) as of the Closing Date of Active Employees who participated in either of the Seller Pension Plans, together with interest at the rate of 8¼ per annum from the Closing Date to the date of transfer. Determination of such actuarial present value shall be the Base Present

Value, provided, however, that if the Alternate Present Value exceeds the Base Present Value by more than , the actuarial present value shall be the Base Present Value plus of the difference between the Alternate Present Value and the Base Present Value. As used herein, the "Base Present Value" shall mean the actuarial present value determined on the basis of the actuarial assumptions used in preparing the Cyprus Minerals Company Annual Report and as of December 31, 1991 plus of the actuarial present value so determined, and the "Alternate Present Value" shall mean the actuarial present value based on the actuarial assumptions used in preparing the Cyprus Minerals Company Annual Report and as of December 31, 1991, modified to (x) assume that a proportion of Employees will receive benefits upon termination or retirement under the lump sum option based upon the calculation practices currently used by Seller (including any nonqualified supplements that may be applicable) and upon deferred (or immediate, if applicable) Pension Benefit Guaranty Corporation interest rates, and (y) base the proportion of Employees assumed to take the lump sum option on the actual experience under the Seller Pension Plans over the last two years, taking into account the age and service of the Employees at termination or retirement. Such actuarial present values shall be calculated as at the Closing Date by an actuary appointed by Seller and agreed to by an actuary appointed by Buyer, and shall be reduced by the amount of any benefit payments made with respect to Active Employees after the Closing Date but prior to the date of transfer.

Pending completion of the transfers described in this paragraph (i), Seller and Buyer shall make arrangements for any required benefit payments to Employees from the relevant Seller Pension Plan. Seller and Buyer shall provide each other with access to information reasonably necessary in order to carry out the provisions of this Section.

(ii) Effective as of the Closing Date, Seller shall amend the Retirement Plan for Employees of Windsor Minerals Corporation Represented by Cament, Lime, Gypsum and Allied Workers Division of the Brotherhood of Boilermakers International, A.F.L.-C.I.O., local lodge D449 (the "Windsor Plan") and Cyprus Industrial Minerals Company Division Pension Plan for Three Forks Plant Hourly Employees (the "Three Forks Plan") to make the Buyer the "plan sponsor" (as such term is defined in Section 3(16)(B) of ERISA thereunder. Seller shall cause to be transferred, as

soon as reasonably practicable, but in any event (unless both Buyer and Seller otherwise agree) within 180 days after the Closing Date, to a trust established by Buyer under the Windsor Plan and the Three Forks Plan, all assets attributable to such Plans held under the Cyprus Minerals Company Master Trust.

- (iii) Seller shall continue to make contributions to these plans when due as required until the Closing Date. Buyer shall be responsible for making required contributions when due to these plans after the Closing Date. With respect to the Three Forks Plan and the Windsor Plan, the required contributions for 1991 and 1992 for purposes of this Agreement shall be the minimum required contribution under Section 412 of the Code as determined by an actuary appointed by Seller. Seller's share of the required contribution for 1991 will be the entire required contribution for 1991. Seller's share of the required contribution for 1992 shall be determined by multiplying the total required contribution for 1992 by the fractional portion of 1992 preceding the Closing Date. Buyer's share of the required contribution for 1992 shall be the total required contribution for 1992 minus Seller's share of the required contribution for 1992. If actual contributions to these plans by Seller exceeds Seller's share of the required contributions then Buyer shall reimburse Seller for the amount of such excess. If Seller's share of the required contributions exceeds Seller's actual contributions then Seller shall reimburse Buyer for the amount of such excess.
- (iv) Buyer shall assume Seller's liability under the Grand Island, Nebraska Multiemployer Pension Plan for Members of General Drivers and Helpers Local Union #544 Affiliated with the International Brotherhood of Teamsters Afl-CIO.
- (d) <u>European Pension Liabilities</u>. Buyer shall assume all liabilities and assets for all Benefit Plans listed on Schedule 5.14 that cover foreign employees of the Companies or the European Companies.
- (e) Buyer shall assume responsibility for all liabilities, including but not limited to severance benefit liabilities and any withdrawal liabilities, arising because of Buyer's actions or omissions regarding Seller's then former Employees after the Closing Date.

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(f) Savings Plan.

(i) Effective as of the Closing Date, Buyer shall amend an appropriate savings plan to be designated by Buyer (the "Rayer Savings Plan") to provide that (A) the service of Active Employees who participated in the Cyprus Minerals Company Savings Plan and Trust (the "Seller Savings Plan") shall be recognized for all purposes thereunder to the extent such service was recognized under the Seller Savings Plan and (B) the account balances of such Employees which are transferred from the Seller Savings Plan to the Buyer Savings Plan in accordance with this paragraph shall be fully vested at all times.

As soon as reasonably practicable, but in any event (unless both Buyer and Seller otherwise agree) within 180 days after the Closing Date, Sellers shall cause to be transferred from the Seller Savings Plan to the Buyer Savings Plan the liability for the account balances of Active Employees who participated in the Seller Savings Plan, together with assets the fair market value of which is equal to such liability.

- (ii) Pending the completion of the transfer described in paragraph (i), Seller and Buyer shall make arrangements for any required benefit payments to Employees from the Seller Savings Plan. Seller and Buyer shall provide each other with access to information reasonably necessary in order to carry out the provisions of this Section.
- (g) <u>ESOP</u>. Seller shall take all necessary actions to provide that all Active Employees are fully vested in the amounts credited to their accounts under the Cyprus Minerals Company Amended and Restated Employee Stock Ownership Plan as of the Closing Date.
- (h) Indemnity. Seller agrees to defend, indemnify and hold harmless the Buyer Indemnitees against and in respect of any Damages caused by, resulting or arising from or otherwise relating to any Breach of any of Seller's responsibilities or obligations under this Section 6.4, and Buyer agrees to defend, indemnify and hold harmless the Seller Indemnities against and in respect of any Damages caused by, resulting or arising from or otherwise relating to any Breach of any of Buyer's responsibilities or obligations under this Section 6.4. The obligations of this Section 6.4 shall survive the Closing Date without limitation as to time. For purposes of this paragraph (h), the terms Buyer Indemnitees, Damages, Breach and Seller

Indemnities have the respective meanings ascribed thereto in Section 11.1.

7.5. Tax Matters. (A) Section 338(h)(10). Neither Buyer nor Seller nor any of their respective Affiliates shall make any election pursuant to Section 338(h)(10) of the Code. Seller understands that, Buyer may make and may cause each member of its affiliated group (as defined in Section 338(h)(5) of the Code) to join in a protective carryover basis election as provided for by regulations under Section 338(e) of the Code. With regard to this election, Seller will fully cooperate and join in the election, if necessary.

(B) <u>Liability for Taxes and Related Matters</u>.

- (i) <u>Liability for Taxes</u>. Seller shall be liable for and indemnify Buyer for all Taxes (including, without limitation, any obligation to contribute to the payment of a tax determined on a consolidated, combined or unitary basis with respect to a group of corporations that includes or included any of the Companies and Taxes resulting from any of the Companies ceasing to be a member of the Seller's Group) (a) imposed on Seller's Group (other than any Taxes described in the following clause (b) of the Companies for any taxable year), (b) imposed on any of the Companies or for which any of the Companies may otherwise be liable (i) for any taxable year or period that ends on or before the Closing Date and, (ii) with respect to any taxable year or period beginning before and ending after the Closing Date, for that portion of such taxable year ending on and including the Closing Date. Except as set forth in (v), Seller shall be entitled to any refund of Taxes of any of the Companies received for such periods.
- (ii) Buyer shall be liable for and indemnify Seller for the Taxes of any of the Companies for any taxable year or period that begins after the Closing Date and, with respect to any taxable year or period beginning before and ending after the Closing Date, for that portion of such taxable year beginning after the Closing Date. The Buyer shall be entitled to any refund of Taxes of any of the Companies received for such periods.
- (iii) Taxes for Short Taxable Year. For purposes of paragraphs (B)(i) and (B)(ii), whenever it is necessary to determine the liability for Taxes of any of the Companies for a portion of a taxable year or period that begins before and ends after the Closing

Date, the determination of the Taxes of any Company for the portion of the year or period ending on, and the portion of the year or period beginning after, the Closing Date shall be determined by assuming that such Company had a taxable year or period which ended at the close of the Closing Date, except that exemptions, allowances or deductions that are calculated on an annual basis, such as the deduction for depreciation, shall be apportioned on a time basis.

- (iv) If, as a result of a challenge by any taxing authority to any transaction that had been treated or a tax-free transaction under Section 351 of the Code or any similar provision under state tax law, such taxing authority determines the adjusted tax basis in an asset of Newco, including the stock in any of the Other Companies, as of the Closing Date to be less than the Carryover Basis (as defined below), then Seller shall indemnify Buyer to the extent that the Carryover Basis of such asset would have produced greater tax benefits to Buyer. Payment under this paragraph shall be made at the time the adjusted tax basis in an asset of Newco is determined to be other than the Carryover Basis and shall equal the highest marginal corporate tax rate in effect on the Closing Date multiplied by the difference between the Carryover Basis and the redetermined adjusted tax basis; provided, however, that for the purposes of computing such payment, a reduction in the basis of one or more assets shall not be taken into account to the extent that the determination that resulted in a reduction in the basis of such assets also resulted in the increase in the basis in inventory, receivables or other current assets, or any asset that is amortizable, depreciable or depletable under the applicable tax law in effect on the date that such determination is made. As used herein, the term "Carryover Basis" means the adjusted tax basis in the asset as of December 31, 1991 reduced by any depreciation, depletion or other such allowance (or, in the case of stock in any of the Other Companies, by the adjustments provided for in section 1.1502-32 of the income tax regulations) properly attributable to the period between December 31, 1991 and the Closing Date.
- (v) Adjustment to Purchase Price. Any payment by Buyer or Seller under this Section will be an adjustment to the Purchase Price.
- (vi) <u>Refunds from Carrybacks</u>. If Seller becomes entitled to a refund or credit of Taxes for any period for which it is liable under paragraph (B)(i) to

indemnify Buyer and such refund or credit is attributable solely (or in part) to the carryback of losses, credits or similar items from either a taxable year or period that begins after the Closing Date or in the case of a taxable year or period that begins before and ends after the Closing Date, that portion of the taxable year or period that begins after the Closing Date (determined under the principles of paragraph (B) (iii)), and is attributable to any of the Companies, Seller shall promptly pay to the Buyer the amount of such refund or credit (or a pro-rata share of such refund or credit if due only in part to the carryback of such losses, credits or similar items) together with any interest thereon. In the event that any refund or credit of Taxes for which a payment has been made is subsequently reduced or disallowed, the Buyer shall repay any amounts paid to it by the Seller pursuant to this paragraph and indemnify and hold harmless the Seller for any interest and penalties assessed against Seller by reason of the reduction or disallowance. Provided, however, that the preceding sentence shall not apply if the reduction or disallowance is caused by Seller's computational error.

(vii) Returns. Seller shall file or cause to be filed when due all Returns with respect to Taxes that are required to be filed by or with respect to any of the Companies for taxable years or periods ending on or before the Closing Date and shall pay any Taxes due in respect of such Returns, and Buyer shall file or cause to be filed when due all Returns with respect to Taxes that are required to be filed by or with respect to any of the Companies for taxable years or periods ending after the Closing Date and shall remit any Taxes due in respect of such Returns. Each of the Companies shall retain an officer of Seller for the sole purpose of signing the Returns that Seller is required to file pursuant to this paragraph. Seller shall pay Buyer the Taxes for which Seller is liable pursuant to paragraph (B)(i) but which are payable with Returns to be filed by Buyer pursuant to the previous sentence not less than two business days prior to the due date for the payment of such Taxes. Buyer shall provide Seller with its then best estimate of these taxes 10 business days prior to the due date for payments of such Taxes. Notwithstanding the foregoing, with regard to taxes for periods that begin before but end after the Closing Date, Seller shall be entitled to reduce its payment under this paragraph to Buyer to the extent of the amount accrued by the Company making the payment on the Company's balance sheet as of the Closing Date. With regard to taxes for periods that begin before but end

after the Closing Date, Buyer shall pay Seller, within five (5) business days of making a payment for the applicable taxes to a tax authority, any amounts accrued on the Final Closing Statement of the Company making the payment, for the particular liability for tax, in excess of the applicable tax.

Buyer shall (viii) <u>Contest Provisions</u>. promptly notify Seller in writing upon receipt by Buyer, any of its Affiliates or any of the Companies of notice of any pending or threatened audit or assessment by any federal, state, local or foreign taxing authorities which may affect the tax liabilities of any of the Companies for any periods for which Seller would be required to indemnify Buyer pursuant to paragraph (B) (i), provided that failure to comply with this provision shall not affect Buyer's right to indemnification hereunder. Seller shall have the sole right to represent any Company's interests in any tax audit or administrative or court proceedings relating to taxable periods ending on or before the Closing Date, and to employ counsel of its choice at its Notwithstanding the foregoing, Seller shall expense. not be entitled to settle, either administratively or after the commencement of litigation, any claim for Taxes which would adversely affect the liability for Taxes of the Buyer or any of the Companies for any period ending after the Closing Date to any extent (including, but not limited to, the imposition of income tax deficiencies, the reduction of asset basis or cost adjustments, the lengthening of any amortization or depreciation periods, the denial of amortization or depreciation deductions, or the reduction of loss or credit carryforwards) without the prior written consent of Buyer. Such consent shall not be unreasonably withheld, and shall not be necessary to the extent that Seller has indemnified the Buyer against the effects of any such settlement. Buyer shall have the sole right to represent any Company's interest in any tax audit or administrative or court proceeding for any taxable year or period that begins before but ends after the Closing Date. Neither Buyer nor any of the Companies may agree to settle any tax claim for the portion of the year or period ending on the Closing Date which may be the subject of indemnification by Seller under paragraph (B)(i) without the prior written consent of Seller, which consent shall not be unreasonably withheld.

(ix) <u>Termination of Tax Allocation</u>
<u>Agreements</u>. Any tax allocation or sharing agreement or arrangement, whether or not written, that may have been

entered into by Seller or any member of Seller's Group and any of the Companies shall be terminated as to each of the Companies as of the Closing Date, and no payments which are owed by or to any of the Companies pursuant thereto shall be made thereunder.

- (C) Transfer Taxes. Seller and Buyer shall each be liable for one half the transfer, sales, use or other similar taxes arising under any state, local or foreign law from the sale of the Shares, including any real property transfer taxes. Buyer and Seller shall cooperate fully in making any payment, withholding any amount or filing any return or information which is required with respect to a transfer, sales, use or other similar tax described in the preceding sentence. The party responsible under state, local or foreign law for making such payment, withholding such amount or filing such return or information with respect to such transfer, sales, use or other similar taxes shall undertake to fulfill that responsibility; provided, however, that Seller must inform Buyer of any payment that must be made by Buyer, amount that must be withheld by Buyer or return or information that must be filed by Buyer with respect to such transfer, sales, use or other similar taxes.
- (D) Information to be Provided by Buyer. With respect to the periods in 1992 prior to the Closing Date, Buyer shall promptly cause each of the Companies to prepare and provide to Seller a package of tax information materials (the "Tax Package"), which shall be completed in accordance with past practice including past practice as to providing the information, schedules and work papers and as to the method of computation of separate taxable income or other relevant measure of income of each of the Companies. Buyer shall cause the Tax Package described in this paragraph to be delivered to Seller by December 31, 1992.
- (E) <u>Assistance and Cooperation</u>. After Closing Date, each of Seller and Buyer shall:
 - (i) assist (and cause their respective Affiliates to assist) the other party in preparing any Returns or reports with such other party is responsible for preparing and filing in accordance with this Section;
 - (ii) cooperate fully in preparing for any audits of, or disputes with taxing authorities regarding any Returns of any of the Companies;
 - (iii) make available to the other and to any taxing authority as reasonably requested all

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information, records, and documents relating to Taxes of any of the Companies;

- (iv) provide timely notice to the other in writing of any pending or threatened tax audits or assessments of any of the Companies for taxable periods for which the other may have a liability under this Section; and
- (v) furnish the other with copies of all correspondence received from any taxing authority in connection with any tax audit or information request with respect to any such taxable period.
- (F) Record Retention. Seller will continue to store and maintain the original copies of any federal, state, local or foreign tax return or report for any year still open for audit by any taxing authority for any period up to and including the taxable years or periods ending on or before the Closing Date and any work papers prepared exclusively for purposes of filing such returns. Seller will provide Buyer with copies of all such returns and work papers that have been prepared within 10 days after the Closing Date and with copies of subsequent returns and work papers as soon as possible after such returns and work papers are prepared. Seller will notify Buyer prior to the destruction of any records mentioned in this subsection (F) and provide Buyer with the option of continuing to store and maintain such records on its own behalf.
- (G) <u>Survival of Obligations</u>. The obligations of the parties set forth in this Section shall be unconditional and absolute and shall remain in effect without limitation as to time.
- 7.6. <u>Insurance</u>. To the extent that (i) there are third-party insurance policies maintained by Seller and its Affiliates (other than the Companies) ("Seller's Insurance Policies") insuring against any loss, liability, damage or expense relating to the assets, businesses, operations, conduct, products and employees (including former employees) of the business of any Company (all such losses, liabilities, claims, damages or expenses, regardless of the availability of insurance coverage, are herein referred to collectively as the "Business Liabilities") and relating to or arising out of occurrences prior to the Closing, and (ii) Seller's Insurance Policies continue after the Closing to permit claims ("Claims") to be made with respect to such Business Liabilities relating to or arising out of occurrences prior to the Closing, Seller agrees to cooperate and cause such Affiliates to cooperate with Buyer and the Companies in submitting Claims on behalf of Buyer or such

Companies under Seller's Insurance Policies with respect to such Business Liabilities relating to occurrences prior to the Closing.

- 7.7. Books and Records. Except for tax records covered by Section 7.6(F), Buyer will, and will cause each Company to, for a period of six years after the Closing, retain all books, records and other documents pertaining to the businesses of the Companies in existence on the Closing Date and to make the same available after the Closing Date for inspection and copying by Seller or any Affiliate of Seller at Seller's expense during the normal business hours of Buyer or such Company, as applicable, upon reasonable request and upon reasonable notice. Without limiting the generality of the foregoing, Buyer will, and will cause each Company to, make available to Seller, the Affiliates of Seller and their respective representatives all information deemed necessary or desirable by Seller or such Affiliates in preparing their respective financial statements and Tax returns and conducting any audits in connection therewith.
- 7.8. Announcements. Prior to the Closing, neither Seller nor Buyer will issue any press release or otherwise make any public statement with respect to this Agreement and the transactions contemplated hereby without the prior written consent of the other (which consent shall not be unreasonably withheld), except as may be required by applicable law, stock exchange regulation or in connection with Buyer obtaining the approval of its shareholders.
- 7.9. Interim Use of Names. Except as provided in this Section 7.9, no interest in or right to use the name "Cyprus" or any derivation or logo thereof is being transferred hereunder. The parties agree that Buyer shall, as promptly as practicable but in any event within fortyfive (45) days following the Closing Date, file an amendment with the appropriate authorities to eliminate the name Cyprus from the name of each Company, and within one year following the Closing Date, remove or obliterate all such trade names, trademarks and logos from all signs, purchase orders, invoices, sales orders, packaging stock, labels, letterheads, shipping documents and other materials used by it or any of its Affiliates (including but not limited to the Companies). For a period of sixty (60) days after the Closing Date, Buyer and its Affiliates (including the Companies) may continue to use any purchase orders, invoices, sales orders, letterheads or shipping documents which bear the name Cyprus, provided that after such sixty (60) days' period, Buyer and its Affiliates (including the Companies) shall cease to use (i) any purchase orders, invoices, sales orders, letterheads or shipping documents existing on the date hereof, which bear the name "Cyprus" or

any name confusingly similar thereto, without first obliterating or covering such name, mark or logo, or (ii) any such materials not in existence on the Closing Date which bear such name, mark or logo. Except to the extent contemplated above, Buyer will not, and will cause each of its Affiliates (including but not limited to the Companies) not to, misappropriate, misrepresent or otherwise infringe, abuse or diminish the value of said names.

7.10. No Shopping. Between the date hereof and the earlier of the Closing Date and the termination of this Agreement, neither Seller nor any of its Affiliates shall, directly or indirectly, through any officer, director or agent or otherwise, in any manner solicit, initiate, encourage, or participate in any negotiation in respect of or cooperate with any person making an Acquisition Proposal (as hereinafter defined). The term "Acquisition Proposal" means any proposal for a merger with the Companies or for the acquisition of all or substantially all the assets of the Companies or the Shares.

7.11. Computer Technology and Other Interim Services. For a period not to exceed six months following the Closing, Seller will provide to the Companies such computer services of the types and of substantially the same standard of service that Seller has provided prior to the date hereof, as and to the extent Buyer shall require, at Seller's cost. Buyer shall only be billed for such services to the extent Seller's cost for such services exceeds

Buyer shall be responsible for obtaining all required software licenses that are necessary for Seller to provide such computer services to the Companies after Closing. Buyer shall be responsible for all costs associated with obtaining the software licenses required by the Companies and for all costs associated with establishing such computer services separate from Seller's processing systems to provide for adequate security, efficient processing, and transfer of historical data as may be Nothing herein shall prevent Buyer from required by Buyer. contracting directly with Seller's computer services vendor. Buyer, Seller and the Companies, shall use reasonable efforts to minimize data processing costs including costs associated with the utilization of transitional operational systems and software packages. Other transitional support services provided to Buyer and the Companies by Seller after the Closing will be performed at Buyer's expense but at an amount equal to Seller's cost.

7.12. <u>Barite Tolling Agreement</u>. For as long as the Companies operate the Houston Mill lease, or for a maximum of one year from the Closing, if the operation Continues after such one year period, Buyer shall provide to

Seller reasonable barite toll grinding services at the Houston Mill on negotiated fair market value terms. Buyer shall provide Seller, and a purchaser and subsequent purchaser of Seller's facilities to the extent of using it only with respect to such facility, with a non-assignable perpetual, royalty free license to utilize the Nichols classifier technology.

- 7.13. Best Efforts. Subject to the terms and conditions herein provided, each of Buyer and Seller agree to cooperate and to use their respective best efforts to take, or cause to be taken, all action and to do, or cause to be done, all things necessary, proper or advisable to consummate and make effective the transactions contemplated by this Agreement, including, without limitation, obtaining consents under all contracts and agreements, requiring consent to be assigned to Buyer.
- 7.14. Covenant Not to Compete. (a) Subject to Seller's right to engage in the barite business, for a period of five years after the Closing, Seller will not, and will cause each of its Affiliates not to engage in any talc business that directly, or indirectly, competes with the businesses of the Companies, as conducted on the Closing Date; provided, however, that nothing contained in this Section 7.14(a) shall prohibit Seller or any of its Affiliates from acquiring any company or business which has, as a non-primary business, a talc business.
- (b) For a period of five years after the Closing, Buyer will not, and will cause each of its Affiliates not to engage in any barite business that directly, or indirectly, competes with the barite business of Seller, as conducted on the Closing Date; provided, however, that nothing contained in this Section 7.14(b) shall prohibit Buyer or any of its Affiliates from acquiring any company or business which has, as a non-primary business, a barite business.
- (c) After the Closing, Seller will not, and will cause each of its Affiliates not to, utilize the trade secrets to be transferred to Buyer pursuant to this Agreement to engage in any business that directly, or indirectly, competes with the businesses of the Companies, or disclose to any Affiliate or any other person any such trade secrets or, within five years after the Closing, any other confidential information relating to the Companies or its properties, except that Seller may make disclosures, after consultation with Buyer, as required by law or applicable rules of a stock exchange. It is understood that confidential information does not include information which is or becomes publicly available without Seller's fault.

- (d) For a period of three years after the Closing Date, Seller will not and will cause each of its Affiliates not to, except with Buyer's prior written consent (which consent shall not be unreasonably withheld), hire or employ, or solicit the hiring or employment of, any employee of the Companies.
- (e) Seller and Buyer agree that, if any provision of this Section 7.14 should be adjudicated to be invalid or unenforceable, such provision shall, to the extent permitted by law, be deemed deleted herefrom with respect, and only with respect, to the operation of such provision in the particular jurisdiction in which such adjudication was made; provided, however, that to the extent any such provision may be made valid and enforceable in such jurisdiction by limitation of the scope of the activities, geographical area or time period covered, Seller and Buyer agree that such provision instead shall be deemed limited to the extent, and only to the extent, necessary to make such provision enforceable to the fullest extent permissible under the laws and public policy applied in such jurisdiction.
- 7.15 Nihon Mistron. Pursuant to the Agreement of Transfer and Assumption dated June 5, 1992 between Seller and Newco, Seller has agreed to transfer to Newco, its record and beneficial ownership of the issued and outstanding shares of Nihon Mistron Company. If Seller is unable to transfer such shares to Newco because the other parties in the joint venture exercise their preemptive right to purchase such shares, the proceeds from such sale shall immediately be delivered to Buyer.
- 7.16 Hamm Underground Mine Property. The parties have agreed that Seller shall retain title to the Hamm Underground Mine Property and shall be responsible for all costs associated with any required clean up of such property. Any required clean up shall be performed as soon as reasonably practicable. At such time as such property is in material compliance with all applicable Environmental Laws, Buyer shall have the option to purchase such property for one dollar in cash.
- 7.17 <u>Buyer's Insurance</u>. For as long as Seller may be liable to indemnify Buyer pursuant to this Agreement, Buyer agrees to maintain business interruption insurance for the Companies in a manner and amount reasonable for a Company engaged in the same business as the Companies in the same area.

ARTICLE 8

CONDITIONS PRECEDENT OF SELLER

The obligation of Seller to consummate the transactions described in Article 2 hereof is subject to the fulfillment of each of the following conditions prior to or at the Closing:

- 8.1. Representations and Warranties. The representations and warranties of Buyer made hereunder shall be true in all material respects at and as of the Closing Date, with the same force and effect as though made at and as of the Closing Date, except for changes permitted or contemplated by this Agreement and except to the extent that any representation or warranty is made as of a specified date, in which case such representation or warranty shall be true in all material respects as of such date.
- 8.2. <u>Agreements</u>. Buyer shall have performed and complied in all material respects with all its undertakings and agreements required by this Agreement to be performed or complied with by Buyer prior to or at the Closing.
- 8.3. <u>Buyer Certificate</u>. Seller shall have been furnished with certificates of an authorized officer of Buyer, dated the Closing Date, certifying to the effect that the conditions contained in Sections 8.1 and 8.2 have been fulfilled.
- 8.4. No Injunction. No injunction, restraining order or decree of any nature of any court or governmental or regulatory authority shall exist against Buyer, Seller, Cyprus, any Company or any of their respective Affiliates, or any of the principals, officers or directors of any of them, that restrains, prevents or materially changes the transactions contemplated hereby.
- 8.5. Consents. All material consents, approvals and authorizations of governmental and regulatory authorities, and all material filings with and notifications of governmental authorities and regulatory agencies or other entities which regulate the business of Seller, any Company or Buyer, necessary on the part of Seller, any Company or Buyer, or their respective Affiliates, to the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby, shall have been obtained or effected (and all applicable waiting periods, if any, including any extensions thereof, under any applicable law, statute, regulation or rule, including but not limited to the HSR Act shall have expired or terminated, as applicable).

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8.6. Miscellaneous Closing Deliveries. Seller shall have received such evidence as Seller may reasonably request in order to establish (i) the power and authority of Buyer to consummate the transactions contemplated by this Agreement and (ii) compliance with the conditions of Closing set forth herein.

ARTICLE 9

CONDITIONS PRECEDENT OF BUYER

The obligation of Buyer to consummate the transactions described in Article 2 hereof is subject to the fulfillment of each of the following conditions prior to or at the Closing:

- 9.1. Representations and Warranties. The representations and warranties of Seller and Cyprus made hereunder shall be true in all material respects at and as of the Closing Date, with the same force and effect as though made at and as of the Closing Date, except for changes permitted or contemplated by this Agreement and except to the extent that any representation or warranty is made as of a specified date, in which case such representation or warranty shall be true in all material respects as of such date; provided that Buyer may not invoke this Section 9.1, unless the untruthfulness of the representations and warranties in the aggregate constitute a material adverse change, or unanticipated and undisclosed material liability previously unknown to Buyer which would have a material adverse effect, on the talc business of the Companies as a whole.
- 9.2. Agreements. Seller shall have performed and complied in all material respects with all of its undertakings and agreements required by this Agreement to be performed or complied with by it prior to or at the Closing; provided that Buyer may not invoke this Section 9.2, unless the non-compliance, in the aggregate would have a material adverse effect, on the talc business of the Companies as a whole.
- 9.3. Seller Certificate. Buyer shall have been furnished with a certificate of an authorized officer of Seller, dated the Closing Date, certifying to the effect that the conditions contained in Sections 9.1 and 9.2 have been fulfilled.
- 9.4. No Injunction. No injunction, restraining order or decree of any court or governmental or regulatory

authority shall exist against Buyer, Seller, Cyprus, any Company or any of their respective Affiliates, or any of the principals, officers or directors of any of them, that restrains, prevents or materially changes the transactions contemplated hereby.

- 9.5. Consents. All material consents, approvals and authorizations of governmental and regulatory authorities, and all filings with and notifications of governmental authorities and regulatory agencies or other entities which regulate the business of Seller, any Company or Buyer, necessary on the part of Seller, any Company or Buyer, or their respective Affiliates, to the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby, shall have been obtained or effected (and all applicable waiting periods, if any, including any extensions thereof, under any applicable law, statute, regulation or rule, including but not limited to the HSR Act shall have expired or terminated, as applicable); provided that Buyer may not invoke this Section 9.5 unless the failure to obtain or effect such consents, approvals and authorizations, in the aggregate would have a material adverse effect, on the talc business of the Companies as a whole.
- 9.6. Miscellaneous Closing Deliveries. Buyer shall have received such evidence as Buyer may reasonably request in order to establish (i) the power and authority of Seller and Cyprus to consummate the transactions contemplated by this Agreement and (ii) compliance with the conditions of Closing set forth herein.
- 9.7 Newco Closing. The Closing of the transactions contemplated in the Agreement of Transfer and Assumption dates June 5, 1992 between Seller and Newco shall have occurred to Buyer's reasonable satisfaction.
- 9.8 JtJ Non-Termination. Johnson & Johnson Consumer Products, Inc. ("J&J") shall not have given notice of termination to Cyprus or its Affiliates or to Buyer pursuant to the Talc Supply Agreement by and between Windsor Minerals Inc. and J&J, dated January 6, 1989.

ARTICLE 10

SURVIVAL OF REPRESENTATIONS AND WARRANTIES

10.1. Survival of Representations and Warranties.

(a) Except as specified in Section 10.1(b)
hereof, all representations and warranties of Seller

included or provided for herein or in any schedule or in any certificate or other document delivered pursuant to this Agreement shall survive for a period of one year after the Closing Date and shall thereafter expire except with respect to breaches and violations theretofore specified, in writing in accordance with Section 11.5, to Seller by Buyer, the Companies or their successors.

(b) The representations and warranties contained in Sections 5.1, 5.3. 5.4 and 5.13 of this Agreement shall survive the Closing Date until the expiration of the limitation period under the applicable statutes of limitations (or any extensions thereof) and thereafter shall expire except with respect to breaches or violations theretofore specified, in writing in accordance with Section 11.5, to Seller by Buyer, the Companies or their successors. The representations and warranties contained in Section 5.16 of this Agreement shall survive for a period of thirty (30) months after the Closing and shall thereafter expire except with respect to breaches or violations theretofore specified, in writing in accordance with Section 11.5, to Seller by Buyer, the Companies or their successors.

ARTICLE 11

INDEMNIFICATION

- 11.1. Indemnification of Buyer and its Affiliates. Subject to Section 11.4, Seller and Cyprus, jointly and severally, agree to defend, indemnify and hold harmless Buyer, its Affiliates and its successors and assigns (individually, a "Buyer Indemnitee", and collectively, the "Buyer Indemnities") against and in respect of:
 - (a) any and all losses, claims, damages, liabilities, costs and expenses ("Damages") caused by, resulting or arising from or otherwise relating to (i) any failure by Cyprus or Seller to perform or otherwise fulfill or comply with any provision of this Agreement; (ii) any breach or violation ("Breach") of any representation or warranty of Cyprus or Seller hereunder, or (iii) any claim arising out of or relating to the operation of the businesses of any of the Companies or either of the European Companies prior to the Closing as to which Buyer has given written notice to Seller within one year of the Closing Date;

- (b) any and all actions, suits, proceedings, claims, liabilities, demands, assessments, judgments, costs and expenses, including reasonable attorneys' fees, directly relating to such indemnification.
- 11.2. Indemnification of Seller and Its
 Affiliates. Subject to Section 11.4, Buyer agrees to
 defend, indemnify and hold harmless Seller and Seller's
 Affiliates, and their respective successors and assigns
 (individually, a "Seller Indemnitee", and collectively, the
 "Seller Indemnities") against and in respect of:
 - (a) any and all Damages caused by, resulting or arising from or otherwise relating to (i) any failure by Buyer to perform or otherwise fulfill or comply with any provision of this Agreement, or (ii) any Breach of any representation or warranty of Buyer hereunder;
 - (b) any and all actions, suits, proceedings, claims, liabilities, demands, assessments, judgments, costs and expenses, including reasonable attorneys' fees, directly relating to such indemnification.
- 11.3. (a) Environmental Indemnification. Subject to Section 11.3(c), and except to the extent disclosed in Schedule 11.3 or to the extent Dr. Graham B. Lawson, J. Stevenson, Richard Gaunt or John Paulson has actual knowledge on the date hereof of a matter that would give rise to a valid claim under (ii), (iii) or (iv) below, with respect to any written claim, specifying in reasonable detail to the extent known, made by Buyer within thirty (30) months of the Closing Date, Seller and Cyprus shall jointly and severally indemnify and hold Buyer Indemnitee harmless from and against any and all damages, losses, liabilities, actions, claims, costs and expenses (including, without limitation, removal costs, remediation costs, fines, penalties, expenses of investigation and ongoing monitoring, and reasonable attorney's fees) ("Losses") directly or indirectly based upon, arising out of, resulting from or relating to (i) any action taken by Seller with respect to the Hamm Underground Mine Property or any liability under Environmental Law relating to a present condition at the Hamm Underground Mine Property, (ii) any violation of any Environmental Law by the Companies or their predecessors or any of its employees, representatives, agents or any other person or entity acting on behalf of the Companies prior to the Closing (including, without limitation, any failure to obtain or comply with any permit, license or other approval or authorization under the provisions of any Environmental Law), (iii) any and all liabilities under any Environmental Law arising on or prior to the Closing out of or otherwise in respect of any act, omission, event, condition or

circumstance occurring or existing in connection with the Companies or the properties owned or operated by the Companies or their predecessors at any time prior to the Closing (including, without limitation, liabilities relating to investigation, removal, remediation, containment, cleanup or abatement of the presence, Release or threatened Release of any Hazardous Substance, whether on-site or off-site) and (iv) any and all expenditures required to be incurred by the Companies (x) to enable them to operate in compliance with all applicable Environmental Laws and (y) to repair and restore all damage to any building, land or property of the Companies arising out of or relating to the removal, remediation, cleanup or abatement of the presence of any Hazardous Substance in violation of any Environmental Law existing on or prior to the Closing in connection with the Companies or the properties owned or operated by the Companies or their predecessors at any time prior to the Closing; provided, however, that Seller shall not have any liability pursuant to this Section 11.3(a) for claims brought by private individuals where there is no violation or liability under any Environmental Law. The indemnity provided in this Section 11.3 shall be without regard to any purported availability of insurance.

(b) If any governmental authority (whether federal, foreign, state or local) or if any Environmental Law shall require Buyer or any Company to effect or take any removal, remedial, corrective or similar actions ("Remedial Action"), or if any third party makes any other claim which is to be the basis for a claim for indemnification under Section 11.3 ("Other Environmental Claim"), then Buyer shall prior to taking any Remedial Action or having discussions with or reporting to the governmental authority (except in situations requiring immediate action under the applicable Environmental Law or emergency situations to preserve life or property) give prompt written notice to Seller of the required Remedial Action or the Other Environmental Claim. Seller, at its option, by notice to Buyer given within thirty (30) days of Buyer's notice to Seller of the Remedial Action or Other Environmental Claim (or such shorter periods specified in Buyer's notice if the ordering governmental agency requires that action be taken more promptly than such thirty (30) day notice period would allow, or if Buyer reasonably determines that the existing condition which is the subject of the Remedial Action or Other Environmental Claim requires that action be taken more promptly than such thirty (30) day period would allow) shall (i) assume control of and effect such Remedial Action or defend such Other Environmental Claim at its cost and expense, or (ii) permit Buyer to control and effect such Remedial Action or defend such Other Environmental Claim at Seller's cost and expense. Any and all costs and expenses incurred or paid by Seller or

by Buyer on Seller's account hereunder shall be considered within the term Losses and be subject to the limitations set forth in Section 11.3(c). Buyer and Seller shall cooperate with each other and shall have a right to participate in discussions with applicable government authorities in effecting any Remedial Action with a view toward promptly completing any Remedial Action, minimizing the disruptive effect of any Remedial Action on the conduct of the businesses of the Companies, avoiding the incurrence of additional environmental liabilities with respect to the existing condition as to which the Remedial Action is taken and performing any Remedial Action at the lowest reasonable All Remedial Action performed by Buyer shall be performed at the lowest reasonable cost, taking into consideration the matters set forth in the preceding sentence, and subject to audit by Seller. Costs in excess of such lowest reasonable cost shall be for Buyer's account. Seller may not settle or compromise any claim by any governmental authorities relating to a Remedial Action or Other Environmental Claim, without Buyer's prior written consent (which consent may not be unreasonably withheld). Buyer may not settle or compromise any claim by any governmental authorities relating to a Remedial Action or Other Environmental Claim, without Seller's prior written consent (which consent may not be unreasonably withheld). If Seller elects to assume control of a Remedial Action, Buyer shall provide Seller reasonable access to the relevant properties to allow Seller to complete such Remedial Action. Buyer shall, at Seller's expense, provide reasonable access to the properties of the Companies, to the extent reasonably required by Seller in order for Seller to take Remedial Action with respect to the Hamm Underground Mine Property, provided that such access shall not have any disruptive effect on the businesses of the Companies or expose the Companies to any potential material liability.

(c) With respect to the operating sites of the Companies set forth on Schedule 11.3A, Seller's liability for Losses pursuant to Section 11.3(a) shall not include any liability for closure costs or reclamation costs, and shall not in the aggregate exceed an amount equal to the Purchase Price; provided, however, that no claim for any single item may be made under this Section 11.3. unless and until the amount of such claim exceeds in which case Seller amount of such claim exceeds in which case Seller and Cyprus shall be liable for the whole amount of such With respect to the sites of the Companies not set forth on Schedule 11.3A, Seller's liability for Losses pursuant to Section 11.3(a) shall include all liabilities for closure and reclamation costs, and shall not be limited to any amount; provided, however, that no claim for any single item may be made under this Section 11.3 unless and until the amount of such claim exceeds

case Seller and Cyprus shall be liable for the whole amount of such claim; provided, further, however, that if the cost of any Remedial Action on such property is clearly shown, by Seller to the reasonable satisfaction of Buyer, to be in excess of its fair market value, Seller shall instead of taking such Remedial Action have the option to reacquire such property from Buyer for one dollar and shall be solely liable for any costs associated with such property.

Limitations on Indemnifications. provisions for indemnity under Sections 11.1(a)(i),(ii) and (b) and 11.2 shall be effective only when the aggregate amount of all claims for which Seller or Buyer is liable under Sections 11.1(a)(i), (ii) and (b) or 11.2, respectively, exceeds in which case such party shall be liable for all such amounts; provided, however, that in no event shall either Buyer or Seller be liable for more than an amount in the aggregate equal to for all claims made against it under Sections 11.1(a)(i), (ii) and (b) or 11.2, respectively; provided, further, however, that no claim for any single item may be made, nor shall Seller or Buyer be liable, under Sections 11.1(a)(i), (ii) and (b) or 11.2, respectively, if the amount of such claim is less than provided, further, however, that no claim may be made for indemnity to the extent the Indemnitee can reasonably, and does actually recover pursuant to an existing business interruption insurance.

11.5. Claims. Any claim for indemnity under Section 11.1 or 11.2 hereof shall be made by written notice from the Indemnitee to the Indemnifying Party specifying in reasonable detail the basis of the claim. Except as otherwise provided herein, when an Indemnitee seeking indemnification under Section 11.1 or 11.2 receives notice of any claims made by third parties ("Third Party Claims") which is to be the basis for a claim for indemnification hereunder, the Indemnitee shall give prompt written notice thereof to the Indemnifying Party reasonably indicating (to the extent known) the nature of such claims and the basis thereof. Upon notice from the Indemnitee, the Indemnifying Party may, but shall not be required to, assume the defense of any such Third Party Claims, including its compromise or settlement, and the Indemnifying Party shall pay all reasonable costs and expenses thereof and shall be fully responsible for the outcome thereof; provided, however, that in such case, the Indemnifying Party shall have no obligation to pay any further costs or expense of legal counsel of the Indemnitee in connection with such defense and, provided, further, that the Indemnifying Person may not settle or compromise any Third Party Claims without the Indemnitee's prior written consent (which consent shall not be unreasonably withheld). The Indemnifying Party shall

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give notice to the Indemnitee as to its intention to assume . the defense of any such Third Party Claims within twenty (20) business days after the date of receipt of the Indemnitee's notice in respect of such Third Party Claims. If an Indemnifying Party does not, within twenty (20) business days after the Indemnitee's notice is given, give notice to the Indemnitee of its assumption of the defense of the Third Party Claims, the Indemnifying Party shall be deemed to have waived its rights to control the defense thereof. If the Indemnitee assumes the defense of any Third Party Claims because of the failure of the Indemnifying Party to do so in accordance with this Section 11.4, the Indemnifying Party shall pay all reasonable costs and expenses of such defense and shall be fully responsible for the outcome thereof. The Indemnifying Party shall have no liability with respect to any compromise or settlement thereof effected without its prior written consent (which consent shall not be unreasonably withheld).

11.6. <u>Survival</u>. Notwithstanding anything in this Agreement to the contrary, this Article 11 shall survive termination of this Agreement without limitation.

ARTICLE 12

MISCELLANEOUS

- 12.1. Further Assurances. From time to time after the Closing, Seller will execute and deliver, or cause to be executed and delivered, such documents to Buyer as Buyer shall reasonably request in order to vest more effectively in Buyer good title to the Shares or otherwise consummate more effectively the transactions contemplated by this Agreement, and from time to time after the Closing, Buyer will execute and deliver, or cause to be executed and delivered, such documents to Seller as Seller shall reasonably request in order to consummate more effectively the transactions contemplated by this Agreement.
- 12.2. Expenses. Each of the parties hereto shall pay the fees and expenses of its respective counsel, accountants and other experts and shall pay all other expenses incurred by it in connection with the negotiation, preparation and execution of this Agreement and the consummation of the transactions contemplated hereby. Seller shall pay all expenses, including, without limitation, all taxes, duties and registration fees, incurred by it or the Companies in connection with the restructuring of the talc business of Seller and its

Affiliates, including, without limitation, those relating to the creation of Newco.

12.3. Applicable Law. This Agreement shall be governed by, and construed in accordance with, the law of the State of New York without reference to choice of law principles, including all matters of construction, validity and performance.

12.4. Notices. All notices, requests, permissions, waivers, and other communications hereunder shall be in writing and shall be deemed to have been duly given if signed by the respective persons giving them (in the case of any corporation the signature shall be by an officer thereof) and delivered by hand, or by United States mail (registered, return receipt requested), properly addressed and postage prepaid:

If to Seller, to:

Cyprus Mines Corporation 9100 Mineral Circle P.O. Box 3299 Englewood, Colorado 80155

Attention: President

with a copy to:

Cyprus Mines Corporation 9100 Mineral Circle P.O. Box 3299 Englewood, Colorado 80155

Attention: General Counsel

If to Buyer, to:

RTZ America, Inc., 150 East 58th Street New York, New York 10155

Attention: President

with copies to:

Borax Consolidated Limited Borax House Carlisle Place London SW1P 1HT

Attention: Mr. F. Alan S. Lesser

RTZ Corporation PLC 6 St. James's Square London SW1Y 4LD

Attention: Charles H.H. Lawton Esq.

Sullivan & Cromwell St Olave's House 9a Ironmonger Lane London EC2V 8EY

Attention: David M. Kies, Esq.

Such names and addresses may be changed by such notice.

- 12.5. Entire Agreement. This Agreement (including the Schedules attached thereto, all of which are a part hereof) and the Confidentiality Agreement contains the entire understanding of the parties hereto with respect to the subject matter contained herein, supersedes and cancels all prior agreements, negotiations, correspondence, undertakings and communications of the parties, oral or written, respecting such subject matter.
- 12.6. <u>Amendments</u>. This Agreement may be amended only by a written instrument executed by the parties or their respective successors or assigns.
- 12.7. Headings: References. The article, section and paragraph headings and table of contents contained in this Agreement are for reference purposes only and shall not affect in any way the meaning or interpretation of this Agreement. All references herein to "Articles", "Sections", or "Schedules" shall be deemed to be references to Articles or Sections hereof and Schedules hereto unless otherwise indicated.
- 12.8. <u>Counterparts</u>. This Agreement may be executed in one or more counterparts and each counterpart shall be deemed to be an original.
- Agreement shall inure to the benefit of and be binding upon Seller and Buyer and their respective successors. Nothing in this Agreement, express or implied, is intended to confer upon any Person not a party to this Agreement any rights or remedies under or by reason of this Agreement. No party to this Agreement may assign or delegate all or any portion of its rights, obligations or liabilities under this Agreement without the prior written consent of the other party to this

Agreement; provided, however, that Seller shall have the right to assign or delegate any portion of its rights, obligations or liabilities hereunder to any Affiliate of Seller, so long as Seller and Cyprus shall remain fully liable for the fulfillment of all of its obligations and liabilities hereunder; and provided, further, that Buyer shall have the right to assign or delegate any or all of its rights, obligations or liabilities hereunder to any Affiliate of Buyer, so long as Buyer shall remain fully liable for the fulfillment of all of its obligations hereunder.

- 12.10. Severability: Enforcement. The invalidity of any portion hereof shall not affect the validity, force or effect of the remaining portions hereof. If it is ever held that any restriction hereunder it too broad to permit enforcement of such restriction to its fullest extent, each party agrees that a court of competent jurisdiction may enforce such restriction to the maximum extent permitted by law, and each party hereby consents and agrees that such scope may be judicially modified accordingly in any proceeding brought to enforce such restriction.
- 12.11. <u>Jurisdiction</u>. Buyer, Seller and Cyprus hereby irrevocably and unconditionally submit to the exclusive jurisdiction of the state and federal courts located in the Borough of Manhattan, The City of New York, for any actions, suits, or proceedings arising out of or relating to this Agreement and the transactions contemplated hereby (and Buyer, Seller and Cyprus agree not to commence any action, suit or proceeding relating thereto except in such courts), and further agree that service of any process, summons, notice or document by U.S. registered mail to its address set forth above shall be effective service of process of any action, suit or proceeding brought against it in any such court. Buyer, Seller and Cyprus hereby irrevocably and unconditionally waive any objection to the laying of venue of any action, suit or proceeding arising out of this Agreement or the transactions contemplated hereby in such state or federal courts as aforesaid and hereby further irrevocably and unconditionally waive and agree not to plead or claim in any such court that any such action, suit or proceeding brought in any such court has been brought in an inconvenient forum.
- 12.12. Waiver. Any of the conditions to Closing set forth in this Agreement may be waived at any time prior to or at the Closing hereunder by the party entitled to the benefit thereof. The failure of any party hereto to enforce at any time any of the provisions of this Agreement shall in no way be construed to be waiver of any such provision, nor in any way to affect the validity of this Agreement or any

part hereof or the right of such party thereafter to enforce each and every such provisions. No waiver of any breach of or non-compliance with this Agreement shall be held to be a waiver of any other or subsequent breach of non-compliance.

12.13. <u>Interest</u>. If any party to this Agreement defaults in the payment when due of any sum payable under this Agreement (whether determined by agreement or pursuant to an order of a court or otherwise), the liability of such party shall be increased to include interest on such sum from the date when such payment shall be due until the date of actual payment at a rate per annum (but not in excess of the maximum lawful rate) of three percent above the rate for three-month deposits in the London interbank market in the currency of payment, as announced by Citibank N.A. as of 11:00 A.M., London time, on the date when such payment shall be due.

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IN WITHESS WHEREOF, the parties hereto have duly executed this Agreement as of the date first above written.

CYPRUS MINES CORPORATION

Name

Title: Stryan vice President

CYPRUS MINERALS COMPANY

Name:

Titles AND CHIEF FRANCUS OFFICE

RTZ AMERICA INC.

By Urthur & Glass

Name: Arthur i Glass Title: Fizzidini

AMENDMENT TO

STOCK PURCHASE AGREEMENT

AMONG

CYPRUS MINES CORPORATION

CYPRUS MINERALS COMPANY

and

RTZ AMERICA INC.

Dated as of June 24, 1992

SV. 13

AMENDMENT DATED AS OF JUNE 4, 1992, TO STOCK PURCHASE AGREEMENT DATED JUNE 5, 1992, by and among Cyprus Mines Corporation, a Delaware corporation ("Seller"), Cyprus Minerals Company, a Delaware corporation ("Cyprus") and RTZ America Inc., a Delaware corporation ("Buyer").

WITNESSETH:

WHEREAS, on June 5, 1992 the parties entered into a stock Purchase Agreement ("Agreement");

WHEREAS, the parties desire to make certain conforming changes to the Agreement to confirm the intent of the parties;

NOW, THEREFORE, in consideration of the mutual agreements contained herein and in the Agreement, Buyer, Seller and Cyprus hereby agree as follows:

- 1. The Agreement is hereby amended to insert and delete specified words and phrases as follows:
- On page 7, Section 3.1, at the end of the section insert "The Closing shall be effective as of the close of business on the Closing Date.";
- b. On page 8, Section 3.3(c), line 1, insert "or Cyprus" after "Seller";
- On page 8, Section 3.3(c), line 9, insert "or Cyprus" after "Seller";
- d. On page 26, Section 5.28, line 2, insert "or Cyprus" after "Seller";
- e. On page 48, Section 10.1(a), line 2, insert "and Cyprus" after "Seller";
- f. On page 49, Section 11.1(a), line 8, insert "third party" after "any";
- 9. On page 49, Section 11.1(a), line 12, insert "excluding, however, any such third party claim (x) for which a Buyer Indemnitee would be entitled to indemnification pursuant to Sections 11.1(a)(i), (ii) or (b), in each case disregarding the limitations set forth in Section 11.4, (y) regarding any environmental matter covered in Section 11.3, disregarding the limitations set forth in Section 11.3, or (z) for which Buyer is responsible under Section 7.4" after "Date";

- h. On page 51, Section 11.3(a), line 6 from end of paragraph, insert "neither Cyprus nor" prior to "Seller" and delete "not" prior to "have";
- On page 54, Section 11.6, line 3, insert "as to time" after. "limitation";
- j. On page 55, Section 12.4, line 9, insert "or Cyprus" after "Seller"; and
- k. On page 56, Section 12.9, line 3, insert ", Cyprus" after "Seller".
- 2. Section 11.3(c) of the Agreement is hereby amended to delete the existing Section 11.3(c) and insert in lieu thereof the following:
 - 11.3. (c) With respect to the operating sites of the Companies set forth on Schedule 11.3A, Seller and Cyprus' liability for Losses pursuant to Section 11.3(a) shall not include any liability for closure costs or reclamation costs, and collectively shall not in the aggregate exceed an amount equal to the Purchase Price; provided, however, that no claim for any single item may be made under this Section 11.3, unless and until the amount of such claim exceeds in which case Seller and Cyprus shall be liable for the whole amount of such claim subject to the aggregate limit stated above. With respect to the sites of the Companies not set forth on Schedule 11.3A, Seller and Cyprus' liability for Losses pursuant to Section 11.3(a) shall include all liabilities for closure and reclamation costs, and shall not be limited to any amount; provided, however, that no claim for any single item may be made under this Section 11.3 unless and until the amount of such claim exceeds which case Seller and Cyprus shall be liable for the whole amount of such claim; provided, further, however, that if the cost of any Remedial Action on such property is clearly shown, by Seller or Cyprus to the reasonable satisfaction of Buyer, to be in excess of its fair market value, Seller or Cyprus shall instead of taking such Remedial Action have the option to reacquire such property from Buyer for one dollar and shall be solely liable for any costs associated with such property."
 - 3. Section 11.4 of the Agreement is hereby amended to delete the existing Section 11.4 and insert in lieu thereof the following:
 - " 11.4. Limitations on Indemnifications. The provisions for indemnity under Sections 11.1(a) (i),

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(ii) and (b) and 11.2 shall be effective only when the aggregate amount of all claims for which seller and Cyprus, on the one hand, or Buyer, on the other hand, is liable under Sections 11.1(a)(i), (ii) and (b) or 11.2, respectively, exceeds the such in which case such Indemnifying Party or Parties shall be liable for all such amounts; provided, however, that in no event shall either Buyer, on the one hand, or Seller and Cyprus collectively, on the other hand, be liable for more than an amount in the aggregate equal to

under Sections 11.1(a)(i), (ii) and (b) or 11.2, respectively; provided, further, however, that no claim for any single item may be made, nor shall Seller and Cyprus, on the one hand, nor Buyer, on the other hand, be liable, under Sections 11.1(a)(i), (ii) and (b) or 11.2, respectively, if the amount of such claim is less than provided, further, however, that no claim may be made for indemnity to the extent the Indemnitee can reasonably, and does actually recover pursuant to an existing business interruption insurance.

Notwithstanding other provisions of this Section 11.4, the limitations set forth in this Section 11.4 do not apply to any claims by Buyer Indemnitees against Seller or Cyprus for any liabilities or obligations (including costs and expenses associated therewith) arising out of any litigation or claims listed on Schedule 5.9.

- 4. Typographical errors in the Agreement are hereby corrected by amendment as follows:
- a. On page 7, Section 3.1, line 5, "7 and 8" is corrected to read "8 and 9";
- b. On page 7, Section 3.1, line 8, "7 and 8" is corrected to read "8 and 9";
- c. On page 7, Section 3.1, line 9, "Section 7.6 and 8.6" is corrected to read "Sections 8.6 and 9.6";
- d. On page 9, Section 3.4, line 6, "(e)" is corrected to read "(d)";
- e. On page 15, lines 4-5, "Material Adverse Effect" is corrected to read "material adverse effect";
- On page 34, Subsection (iv), line 5, "Afl-CIO" is corrected to read "AFL-CIO";
- 9. On page 35, Subsection (f), line 16, "Sellers" is corrected to read "Seller";

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- n. On page 35, Subsection (h), line 6, "6.4" is corrected to read "7.4";
- On page 35, Subsection (h), line 7, "Indemnities" is corrected to read "Indemnitees";
- j. On page 35, Subsection (h), line 10, "6.4" is corrected to read "7.4";
- g. On page 35, Subsection (h), line 11, "6.4" is corrected to read "7.4";
- On page 36, line 1, "Indemnities" is corrected to read "Indemnitees";
- on page 37, Section 7.5(B)(iv), line 3, "treated or" is corrected to read "treated as";
- n. On page 48, Section 9.7; line 3, "dates" is corrected to read "dated";
- o. On page 49, Section 11.1, line 6, "Indemnities" is corrected to read "Indemnitees";
- p. On page 50, Section 11.2, line 6, "Indemnities" is corrected to read "Indemnitees";
- q. On page 54, line 12, "11.4" is corrected to read "11.5"; and
- r. On page 58, line 4, "breach of" is corrected to read "breach or".
- 5. The parties hereby recognize, acknowledge and agree to the execution of a conforming amendment of even date to the Agreement of Transfer and Assumption dated June 5, 1992 between Seller and Newco.

6. This Amendment may be executed in one or more counterparts and each counterpart shall be deemed to be an original.

IN WITNESS WHEREOF, the parties hereto have duly executed this Amendment to the Agreement as of the date first above written.

CYPRUS MINES CORPORATION

CYPRUS MINERALS CORPORATION

Title: Senior Vice Preside

RTZ AMERICA INC.

Name: Title:

JUN 24 '52 11:164M CYPRUS MINERALS 303 643 5943

CYPRUS HINDRALS

P. INJO

6. This Amendment may be executed in one or more counterparts and each counterpart shall be decaded to be an original.

IN WIGHRES WHIREOF, the parties hereto have duly executed this Amendment to the Agreement as of the date first above written.

CYPRUS MINES CORPORATION

Name: Title:

CYPRUS MINERALS CORPORATION

Name:

RTS AMERICA INC.

Willy " with 10 1988

Title! Property

Exhibit 204

IN THE COURT OF COMMON PLEAS SUMMIT COUNTY, OHIO

PAUL ANDONIAN, et al., : CASE NO. ACV 88-6-1731

Plaintiff, : JUDGE VICTOR

vs. :

A.C. & S., INC., et al. : AFFIDAVIT

Defendants. :

ROGER N. MILLER, being duly sworn, according to law, upon his oath, deposes and says:

- I am the President of Windsor Minerals, Inc. and have held that position since 1968 when Windsor Minerals, Inc. was first formed.
- 2. The exclusive business of Windsor Minerals, Inc. is and has been the mining and milling of talc from a single mining district in Windsor, Vermont. In addition, Windsor Minerals, Inc. also sells a portion of its product to independent industrial users for manufacturing purposes. Windsor Minerals, Inc. never sold any of its product to distributors or agents for resale.

- 3. Windsor Minerals, Inc. has never sold any of its product to the General Tire and Rubber Company in Akron, Ohio, or any other tire manufacturing facility or rubber company.
- 4. All of the talc mined by Windsor Minerals, Inc. has been regularly sampled and tested for the presence of asbestos. No evidence of the presence of asbestos in Windsor Mineral, Inc.'s product has ever been revealed by this testing.

ROGER N. MILLER

Sworn to and subscribed before me this <u>T.h.</u> day of July, 1988.

Notary Public

Exhibit 205

CAHILL GORDON & REINDEL

EIGHTY PINE STREET NEW YORK, N.Y. 10005

FLOYD ABRAMS
ROBERT A. ALESSI
ROGER ANDRUS
MICHAEL A. BECKER
SUSAN BUCKLEY
KEVIN J. BURKE
P. KEVIN CASTEL
JAMES J. CLARK
WALTER C. CLIFF, P.C.
BENJAMIN J. COHEN
JOSEPH P. CONWAY
MARSHALL COX
THOMAS F. CURNIN
W. LESLIE DUFFY
PATRICIA FARREN
BART FRIEDMAN
CIRO A. GAMBONI
CHARLES A. GILMAN
STEPHEN A. GREENE
ROBERT M. HALLMAN
WILLIAM M. HARTNETT
THOMAS R. JONES
ALLEN S. JOSLYN
THOMAS J. KAVALER
LAWRENCE A. KOBRIN
"MANUEL KOHN
"WARD P. KRUGMAN
"LIEMM T. LIFLAND
MICHAEL MACRIS
JONATHAN I. MARK

 ∇r_{μ}

RAND MCOUINN'
GERARD M. MEISTRELL
ROGER MELTZER
CLIFFORD L. MICHEL
JOHN P. MITCHELL
MATHIAS E. MONE
DONALO J. MULVIHILL
KENNETH W. DRCE
ROY L. REGOZIN
RICHARD L. REINHOLD
DEAN RINGEL
THORN ROSENTHAL
RICHARD J. SABELLA
H. RICHARD SCHUMACHER
JOHN SCHUSTER
LAURENCE A. SILVERMAN
HOWARD G. SLOANE
LAURENCE T. SORKIN
LEONARD A. SPIVAK
GERALD S. TANENBAUM
JONATHAN D. THIER
MICHAEL P. TIERNEY
ROBERT USADI
JOHN R. VAUGHAN
GEORGE WAILAND
GLENN J. WALDRIP, JR.
GARY W. WOLF
JOHN R. YOUNG
DANIEL J. ZUBKOFF

August 4, 1992

DAVID R. HYDE
DENIS MCINERNEY, P.C.
IRWIN SCHNEIDERMAN
RALPH O. WINGER
SENIOR COUNSEL

CORYDON B. DUNHAM SAMUEL ESTREICHER PHILIP A. HEIMOWITZ MICHAEL S. SACKHEIM JEFFREY E. SHAPIRO JOHN J. STANTON, JR. COUNSEL

FREDDY DRESSEN**

Washington, D.C. Office 1990 K Street, N.W. Washington, D.C. 20006

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FACSIMILE 212-269-5420

"ADMITTED D.C. ONLY

TELEPHONE 212:701-3000 WRITER'S DIRECT NUMBER

(212) 701-3321

Re: Akron Tireworker Litigation

Dear Russ and Brian:

We recently learned that your firm voluntarily dismissed Windsor Minerals, Inc. from the Akron cases some time ago after reviewing an affidavit supplied by Windsor. Our client, Eastern Magnesia Talc, bought precisely the same mining operations from Windsor in 1967 and operated them until 1983. The Windsor affidavit attests to the fact that "all of the talc mined by Windsor Minerals, Inc. has been regularly sampled and tested for the presence of asbestos. No evidence of the presence of asbestos in Windsor Minerals, Inc.'s product has ever been revealed by this testing". (Copies of the affidavit and dismissal stipulations are enclosed).

In light of your dismissal of the predecessor owner and operator of these mining operations, Windsor, we urge you to voluntarily dismiss EMTal from the remaining Akron cases on the same basis. As I have indicated to you in the past, similar

Case 3:16-md-02738-MAS-RLS Document 26642-5 Filed 08/14/23 Page 270 of 399 PageID: 161998

CAHILL GORDON & REINDEL

-2-

orders have been signed by plaintiffs' counsel in numerous jurisdictions around the country after concluding that there was no asbestos in the EMTal product.

very truly yours,

Howard G. Sloane

A. Russell Smith, Esq. Brian R. Nace, Esq. Laybourne, Smith, Gore & Goldsmith 503 Society Building 159 South Main Street Akron, Ohio 44308-1317

IN THE COURT OF COMMON PLEAS SUMMIT COUNTY, OHIO

FAYE MILLER, Individually and as Administratrix of the : CASE NO. ACV884-1087

Estate of ROBERT R. MILLER,

: JUDGE CARROLL

رجرزديسا فستدد كالان

Deceased, 3026 Lake James Terrace, Akron, Ohio 44312

Plaintiff,

AFFIDAVIT

VS. A.C. & S., INC., et al.

Defendants.

ROGER N. MILLER, being duly sworn, according to law, upon his oath, deposes and says:

- I am the President of Windsor Minerals, Inc. and have held that position since 1968 when Windsor Minerals, Inc. was first formed.
- The exclusive business of Windsor Minerals, Inc. is and has been the mining and milling of talc from a single mining district in Windsor, Vermont. In addition, Windsor Minerals, Inc. also sells a portion of its product to independent industrial users for manufacturing purposes. Windsor Minerals, Inc. never sold any of its product to distributors or agents for resale.

- 3. : Windsor Minerals, Inc. has never sold any of its product to the General Tire and Rubber Company in Akron, Ohio, or any other tire manufacturing facility or rubber company.
- 4. All of the talc mined by Windsor Minerals, Inc. has been regularly sampled and tested for the presence of asbestos. No evidence of the presence of asbestos in Windsor Mineral, Inc.'s product has ever been revealed by this testing.

ROGER N. MILLER

Sworn to and subscribed before me this 1. day of July, 1988.

Robertie Burnette Notary Public

Exhibit 206

AFFIDAVIT

STATE OF NEW JERSEY)
: SS.:
COUNTY OF SOMERSET)

WILLIAM H. ASHTON, being duly sworn, deposes and says:

1. For thirty-five years, I was actively involved in investigating and studying the domestic and international talc industry and talc technology while employed by Johnson & Johnson. In the course of this work, I examined talc deposits in the United States and throughout the world. I graduated from the University of Pennsylvania in 1940 with a Bachelor of Science degree. My major field of study was chemistry; my minor fields of study were geology and mineralogy. I did graduate work at Louisiana State University and also received training in talc minerals at the Battelle Memorial Institute in Columbus, Ohio, which included consultations with the Geology Department of Ohio State University. I have been retired since 1984, but have remained an active member of various talc and mineral committees of the American Society for Testing and Materials and the International Standards Organization.

- Vermont and specifically, the talc mined by Engelhard Corporation (and its predecessors) from the talc mine located in Johnson, Vermont (the "Johnson mine") has been considered to be talc free from contamination by asbestos. This conclusion is the result of numerous investigations, examinations and studies of the Johnson mine. The following paragraphs discuss, in chronological order, these studies and investigations.
 - 3. In 1949, Warren L. Hogue, Jr. and Frederick S. Mallette published a scientific paper entitled "A Study of Workers Exposed to Talc and Other Dusting Compounds in the Rubber Industry" (a copy of which is annexed hereto as Exhibit A). The authors studied workers in two rubber plants who had been exposed to talc and other dusting compounds for periods as long as 36 years. The authors noted that "[t]he dusting compound used in the tube operations and in rerolling liners is a pure talc from a deposit near Johnson, Vermont, and contains no free silica, tremolite, chrysolite, chrysotile, or actinolite."

 (Exhibit A at 360) The authors identified the talc discussed in their study as being produced by Eastern Magnesia Talc Company (Exhibit A at 363-64), a predecessor of the Engelhard

subsidiary of the same name which produced talk from the Johnson mine.

1. In March 1951, the U.S. Geological Survey published a report written by Dr. Alfred H. Chidester (and two coauthors), entitled "Talc Investigation in Vermont, Preliminary Report" (relevant portions of which are annexed hereto as Exhibit B). Dr. Chidester was employed for 39 years by the U.S. Geological Survey, a unit of the U.S. Department of the Interior. For a period of about 18 years, from 1944 through 1962, he was primarily concerned with the talc deposits of Vermont and northern Massachusetts. (From 1963 to 1971, while still employed by the Geological Survey, he was primarily involved with the United States lunar exploration program and training astronauts in field geology.) Dr. Chidester has an extremely prestigious reputation for his studies of the geology of talc deposits in the United States. In this 1951 report, Dr. Chidester stated:

The Hogue and Mallette study concluded that "[p]hysical examinations and chest roentgenograms of a group of 20 men exposed to talc dust (hydrous magnesium silicate) for periods ranging from 10 to 36 years in rubber inner tube production were normal for men of their age group and urban industrial environment" and "[t]he findings of the present study indicate that long exposure to talc does not appear to produce pathologic changes in the lungs." (Exhibit A at 364)

"All the commercial talc deposits in Vermont are associated with the verde antique type of ultramafic body, whereas none is known to occur in ultramafic bodies that are only partly serpentinized. On the other hand, cross-fiber asbestos appears to occur in appreciable quantities only in ultramafic bodies that contain unaltered dunite or peridolite, and is extremely rare or absent in the verde antique type." (Exhibit B at 4)

Stating this another way, Dr. Chidester wrote: "no commercial talc deposits are known to be associated" with a certain type of rock formation in Vermont which "commonly contains more or less chrysotile asbestos. . . . " (Exhibit B at 1)

entitled "Petrology and Geochemistry of Selected Talc-Bearing Ultramafic Rocks and Adjacent Country Rocks in North-Central Vermont" (relevant portions of which are annexed hereto as Exhibit C), Dr. Chidester analyzed talc samples from a number of different mines in Vermont. He used the Johnson mine as a standard for the chemical analysis of pure talc. He noted that a sample "from the Johnson talc mine, Johnson, Vt., is included because specimens for chemical analysis of the pure mineral were not obtainable from the Mad River and Barnes Hill localities, and the specimen from the Johnson mine represents talc from the steatite zone of a purity not obtainable at the other deposits." (Exhibit C at 79)

. .

- A scientific paper by Maryanne G. Boundy, Karen 6. Gold, Kenneth P. Martin, Jr., William A. Burgess and John M. Dement, entitled "Occupational Exposures to Non-Asbestiform Talc in Vermont" (a copy of which is annexed hereto as Exhibit D) reported on an environmental study of three Vermont talc companies, including Eastern Magnesia Talc and its Johnson mine, during the summer of 1975 and the winter of 1976. This study, under the auspices of the Department of Environmental Health Sciences, Harvard School of Public Health, Boston, Massachusetts, tested bulk samples of ore dust for their mineral constituents. The purpose of this study, as stated in the introduction to the paper, was to verify "geological studies dating from the early 1900's [that] have shown that the Vermont talc deposits contain no asbestos and little quartz. . . . " (Exhibit D at 1) In reporting the results of the study, the paper stated that "petrographic microscopy analysis, analytical transmission electron microscopy, and x-ray diffraction with step-scanning revealed no asbestos in the bulk samples" from the three Vermont talc companies. (Exhibit D at 377)
- 7. In September and October 1982, an independent testing laboratory, EMV Associates, then located in Rockville, Maryland, analyzed two talc samples taken from the Johnson mine by two different investigators in the 1961 time frame. (One

sample had been taken by Dr. Chidester during the research incorporated in his 1962 Geological Survey Paper; I took the other sample during a May, 1961 visit to the Johnson mine.) These samples had not been modified or adulterated in any way prior to their 1982 analysis. (Dr. Chidester's talc sample had been maintained by the National Museum of Natural History, Smithsonian Institute in Washington, D.C.) The reports of the analysis of these two samples, dated September 24, 1982 and October 18, 1982 (copies of which are annexed hereto as Exhibits E and F), stated that no asbestos was detected and "prissmatic and blocky forms of tremolite were not detected." The reports indicated that the talc samples were examined for freedom from asbestos by "scanning electron microscopy and energy dispersive spectroscopy (SEM/EDS)* and were examined at various magnifications from 1000x to 10,000x. Each of the reports includes a "Certificate of Microanalysis for Asbestos" which contains a Sample Description, Method of Analysis and "Results: No asbestos detected." The results of this analysis were confirmed by a subsequent analysis performed on these samples by Professor F.W. Pooley of the University of Cardiff in Wales, England. Prof. Pooley is one of the foremost authorities in the world in the identification of asbestos and other hazardous minerals in the respiratory tracts of individuals.

In a December 22, 1982 report, Prof. Pooley noted that the samples were examined by x-ray diffraction analysis and by an analytical transmission electron microscope. The conclusion of these examinations was that no fibrous mineral particles were detected in the samples.

8. In sworn testimony in 1983 (relevant portions of which are annexed as Exhibit G), Dr. Chidester stated that he had never found veins of chrysotile asbestos in talc located in Vermont. He noted that chrysotile was a serpentine mineral found in serpentinite rock, but that, in the formation of talc in Vermont, all of the serpentine minerals are changed to talc. "So any asbestos that may have been there in the first place is altered to talc." (Exhibit G at 24) Thus, in Vermont, talc and serpentinite are mutally exclusive. Dr. Chidester testified that he had personally been at the talc mine in Johnson, Vermont and, based on his personal observations and testing, all of the serpentinite at the Johnson mine had been changed to talc and magnesite. He never observed any asbestos at the

Johnson mine and never saw any asbestos in any of the samples that he took from the Johnson mine and subjected to microscopic analysis.

WILLIAM H. ASHTON

Sworn to before me this _S\(^2\) day of May, 1989

Notary Public

MARGARET M. NAGY NOTARY PUBLIC OF NEW JERSEY MY COMMISSION EXPIRES AUG. 18, 1991

EXHIBIT A

A STUDY OF WORKERS EXPOSED TO TALC AND OTHER DUSTING COMPOUNDS IN THE RUBBER INDUSTRY*

WARREN L. HOGOE, JR. AND FREDERICK S. MALLETTE Firemone Tire and Rubber Company, Abron, Ohio

ALC and similar minerals are widely used in industry. In the Mineral Yearbook Johnston and Barsigian (1) report that in 1946 over 450,000 short tons of domestically produced tale, pyrophyllite, and ground soapstone were consumed, of which 77 per cent was utilized in five industries—paint, rubber, roofing, ceramics, and insecticides. The paint industry alone used 23 per cent of the total.

CHEMICAL COMPOSITION

One should note that the above-mentioned report groups take with materials of like commercial applications rather than with those of mineralogical or chemical similarity. Actually take is a hydrous magnesium silicate with the formula Mgr-Si₆O₁₆(OH)₂. Other minerals which have similar uses are: pyrophyllite, a hydrous calcium magnesium silicate, Ca₂Mg₂Si₆(OH)₂; serpentine, a hydrous magnesium silicate, Mg₂Si₆O₇(OH)₂; and dolomite, a calcium magnesium carbonate, CaMg-(CO₃)₂. Tremolite, frequently found in nature with take, has a fabrous variety which is used to some extent as asbestos (2). Soapstone is the granular to cryptocrystalline form of take.

Apparently the physical characteristics of all these materials are so much alike that they may be used in aimost identical applications and therefore are designated commercially as take. Schols and Williams (3) pointed out that "take as used industrially generally refers to a substance which meets certain physical requirements rather than one which has a definite chemical composition." In an examination of 71 analyzed samples they found extreme variation in composition.

PRYSIOLOGICAL EFFECTS

In general, most silicates of this kind were considered harmless until 1933 when Dressen (4) studied conditions in tremolite mines and mills. He found dust exposures averaging as high as

* Presented at the Annual Meeting of the American Industrial Hygiene Association, Detroit, Michigan, April 5-8, 1949. 1,440 million particles per cubic foot in pneumatic drilling operations and as low as 4 million outside the mill proper. He reported that "in only three cases (5%) were the X-ray findings within the limits of normal; 38 (67%) showed evidence of an early or first-stage pneumoconiosis." Only one case—that of an individual who had been in the tremolite mills for over 40 years—had fibrosis advanced beyond the first stage. Dreesen concluded that the resulting pneumoconiosis was not disabling.

In 1935 Dreesen and Dalla Valle (5) reported dust concentrations varying from 32 to 1,672 million particles per cubic foot in two Georgia mills. Among 66 workers examined, they found 8 having advanced pneumoconiosis with disability and 14 having rountgenographically demonstrated slight pneumoconiosis without disability. The dust was found, by analysis, to consist chiefly of sospetone, but it also contained 10 per cent tremolite. The authors stated that the dust of the Georgia mills appeared to be more injurious than that reported by Dreesen (4). However, the study made in Georgia showed much higher concentrations of the dust. Furthermore, quite a few of the miners had worked in hard rock, although only 6 out of 13 showed postmoconiosis stage L.

Eason, Trice, and Carpenter (6) reported pulmonary fibrosis among miners and millers of pyrophyllite, characterized coentgenographically by massive tumor-like shadows bilaterally situated in the subspical region or by granular densities distributed throughout the lungs. Of 101 workers, 35 per cent of those with two or more years of exposure showed evidence of pathologic changes in the lungs. The pyrophyllits dust contained from 25 to 35 per cent quarts.

Porro, Patton, and Hobbs (7) found 15 cases of pneumoconiosis in two tremolite mines and mills in New York State. According to them, the composition and concentrations of the dust were the same as those reported by Dressen (4), who had previously surveyed one of the plants. Non-disabling pulmonary fibrosis was found in almost

all of the workers examined. Of the 15 patients, 7 were known to have worked in other types of mining operations. Dyspines was an almost universal complaint, and several patients had cyanosis and club fingers. In all of those tested with a spirometer, vital capacity was very low (35-52 per cent). In the 5 postmortem examinations asbestosis bodies were a fairly frequent finding in lesions of the lungs. This may not be puzzling when it is recalled that tremolite is characteristically fibrous.

Further studies in tremolite mines and mills of northern New York by Siegal, Smith, and Greenburg (8) disclosed 32 cases of advanced fibrosis in a group of 221. Dust counts in the mines varied from 6 to 5,000 million particles per cubic foot in milling. The tale was of the asbestine variety and was mingled with tremolite and anthophyllite. The fibrosis tended to be disabling and was frequently accompanied by dyspnea, cough, and fatirue.

Prompted by these reports and by proposals for the inclusion of a limit for tale among dust hazards in certain state codes (9, 10, 11) we made a study in two rubber plants where workers had been exposed to tale and other dusting compounds for periods as long as 36 years. Tale dusting experiments were made on laboratory animals, the results of which will be reported in a separate communication.

DUSTING RUSSER

As rubber is naturally tacky, it must be conted with a lubricant to keep it from sticking together. Many materials are used, both in the wet and the dry state, for this purpose. Among them are tale, pyrophyllite, mics, clay, walmt shell dust, corn starch, whiting, et cetera. Operations employing these materials in the dry state tend to be very dusty. In recent years control ventilation has reduced the concentrations of the dusts, but there are still operations, especially of an intermittent or temporary nature, which it is difficult or impractical to control. In these operations dust respirators must be relied upon for protection.

For the past six years periodic dust surveys have been made of several processes in the manufacture of inner tubes and in the reclaiming of rubber. The occupations in which tale was the only dust to which workers were exposed were those of tuber operators, tube bookers, tube cure men, and liner rerolling. Those jobs in which the major exposure was to whiting and the minor to

tale (in the past, to pyrophyllite) were those of refiner operators, strainer operators, mill men, truckers, siab checkers, and shipping laborers. The results of the surveys have been averaged for the period 1943 to 1948 and are presented together with the number of years of total exposure of the various occupations, in tables 1 and 2. It must be emphasized that before the installation of control ventilation the dust concentrations were probably much higher.

TABLE 1

AVERAGE DUST CONCENTRATION AND PERIOD OF EXPOSURE FOR WORKERS IN TAIC

Wight Short	TEARS OF EXPOSURE	TOLICE OF FUED CALVES. FT.
6 tube muchine operators	20-34	20
3 tube bookers		35
10 tube cure men	10-34	15
1 liner revoller	14	50

TABLE 2

Average Dost Concentration and Person of Exposites for Wollkes in Westing, Preo-February, and Talc

THE STORE	TEASS OF EXPOSES	DELICATION OF PARTY O	
13 relati operators	13-25	50	
3 strainer operators	15-25	75	
1 mill mas	26	50	
1 trocker	20	30	
1 slab checker	23	50	
1 shipping laborer	24	150	

DUST COMPOSITION

The dusting compound used in the tube opertions and in rerolling liners is a pure tale from a deposit near Johnson, Vermont, and contains so free silies, tremolite, chrysolite, chrysotile, or actinolite. It has the following composition:

Tale Analysis

Silicon dioxide	34.86%
Ferrous oxids	6.30
Alamiaan cride	1.22
Manganese oxide	0.09
Sedium cuide	0.53
Potamium oxidt	Trace
Combined water	6.17
Carbon dioxide	

Yes. 1040

TALC DUST EXPOSURES

361

Whiting fealeium carbonate) is the principal compound for dusting reclaimed rubber. Until about six years ago pyrophyllite containing 65 per cent free silica was used for certain stocks, but once that time tale has been used for these special applications, but the use of both compounds amounted to only about 10 per cent of production.

CLINICAL INVESTIGATION

The two groups of workers included in this study were specially selected for type and length of exposure. Only those with the longest and heaviest exposures were included. Complete physical

posed of 20 men who had been exposed to take alone for periods ranging from 10 to 30 years. All of the men were working at the time of the study and were in apparent good health. None of them presented any symptoms referable to the lungs, such as dyspinea, cough, or shortness of breath. None had clubbing of the fingers or cyanosis. Only one member of this group had subnormal (71 per cent) vital capacity. This finding can perhaps be explained by the presence of an enlarged heart, as determined by the Hodges-Eyster formula.

In this group the mentgenographic findings were either completely normal or showed only

TABLE 3

PHYSICAL EXAMINATION, VITAL CAPACITY DETERMINATIONS AND CHEST ROUNTGENOGRAMS ON WORKERS EXPOSED
TO TALE

			-						
4118 kP 8	v GK	484 44 48 4 40 All 6404	MILLIONE OF PARTY (LENGT) FT.	MENURA MENURA	VITAL CAPACITY	HA NET	CHAST CORST. Generalis	AC MARKS	
117R	62	2.5	20	144/92	867		Negative :		
HRII	62	34)	3.5	152/80	105%				
119K	5.3	24	20	112/GH	119%	+10	•• i	Coal miner-10 years	
126R	49	31 -	.35	132/78	, 1225,	•	**		
ONE CONTRACT	53	2.5	20	142/82	71%	+17	**		
251R	50	30	13	142/10	1127		**		
196R	5.1	20	20	160790	144	Normal	•• [
167 K	62	36	35	120/MI	95%	••	••	Coal miner-11 years	
187R	49	343	15	140/70	04%				
21.5 K	19	,32	1.5	1.30780			••	· ·	
186K	49	25	1.5	124/90	107%		!		
246K	51	10	15	110/70	121		**		
240K	47	32	15	93/65	•		**		
217K	52	31	15		102%	Normal			
707 K	3 N	27	13		1187		44	į	
287 K	50	24	20		116%	Normal	м	Coal miner-15 years	
	57	34	_	194/94	8377	. 41-4 15142-1	44	Casi miner -15 years	
206R				104/71	105%				
ZHIK	43	14	.50			•	44	٠.	
292X	51	19	1.5	110/65	93%		**	ī	
2N6 K	.39	18	1.5	120755	114%	-	••		

examinations, including blood counts, urinalysis, blood pressure readings, and vital capacity determinations, were made. For the latter tests the Scott-McKesson apparatus was employed, and readings below 85 per cent were considered indicative of disease of the heart or the large. Roent-genograms of the large were made on 14° × 17° films and interpreted by a qualified radiologist with considerable experience in the diagnosis of incumoconiosis.

TURK WORKERS

Physical and Raentgenographic Examinations. The first group, presented in table 3, was comthe chronic changes found in industrial urban dwellers. (See future 1.)

RECLAIMING RUBBER WORKERS

Physical and Raentgenographic Examinations

The second group, presented in table 4, was composed of 20 men with a major exposure to winting and minor exposures to pyrophyllite and tale. The exposure periods of this group ranged from 10 to 25 years. All of these men were also working at the time of the study, and none complained of or presented symptoms referable to the lungs, such as dyspnes, cough, or shortness of breath. No clubbing of the fingers nor cyanesis was noted.



Fig. 1. This man is 62 years old and has worked in the rubber industry for 36 years with an average take exposure of 35 million particles per cubic from His vital capacity was 95 per cent. These lungs show only truncal accentuation of the lower lobes.

TABLE 4

Physical Examination, Vital Capacity Determinations and Chest Roentoinograms of Worker Largery
to Wolfing, Pyrophyslete, and Tage

**************************************	4OE	98488 9888- 1984 188	HILLIANS OF PARTS CLEAR CT FT.	MISSON BY	LEPSI. • Semi FES	(IF \U Y	емичт вен хт прхнагруйн	do modeo.
229R	55	23	- to	120.0481			••	
		i	50	100 (10)	71',	+17	Negative	Previously coal miner
244K	62	15	' N	158786	our , *	+ 25		
228K	47	24	5O :	104756	и5",	Normai	••	
953R [49	24	150	132/90	óK',	**	Раецтописла-	Coal miner—5 years
ļ			1				insis III	
195R	51	23	50	124/90	H& ,	_	Negative	
226R	.59	24	.50	.140/70	1909		•••	Coal miner - 13 years
248R	54	10	75	130/90	90%	Normal		·
170R	42	13	.50	120/70	123".	••	**	
165R	49	20	.50	1.30/80	73' ,		••	
181	48	20	•	112/62	1107	-	44	
185R	64	18	. 50	180/9x	1017	± 10		Foundry - 7 years
247R	54	20	50	160295	1197 ,	Normal	**	Coal miner 41 years
234R	54	23	75	120/70	110%		••	
231R i	53	23	i 50	132/MP	971		••	
232K	55	25	50	130/70	74",	+ 21	**	
164R	61	14	.50	142/95	977	Normal	••	,
184R	55	25	75	110/65	1064 ,	_	**	
235R	55	24	50	175/100	9477		44	
217R	57	20	30	165/95	941	Normal	44	Coal miner-19 years
972R	\$5	23	50	182/120	567 / 1	**	••	

^{*} The subject was unsatisfactory—unconversitive.

.362

[†] The subject was 3 feet 21 inches in height and weighed 203 pounds.

You. 1949

TALC DUST EXPOSURES

363

Six had vital capacities considered subnormal; of these, 3 had enlarged hearts, as determined by the formula mentioned above.

In this second group only one chest roentgenogram showed abnormality, which was considered third-stage pneumoconiosis. The man also had lowered vital capacity, but he appeared to be suffering no disability. He had previously worked in the mining industry for five years. (See figure 2.) exposures restricted to that mineral. In the New York mines and mills the dust was composed of equal proportions of tremolite and tale. Porro a al (7) published illustrations contrasting the fibrous structure of tremolite with the granular nature of tale. In the Georgia studies the dust was principally soupstone, a form of tale, but also contained 10 per cent tremolite. The dust in the North Carolina studies was not tale but pyrophyllite and,



Fig. 2. This man is 49 years old and has been employed in the rubber industry for 24 years with an average exponent to pyrophyllite and whiting of 150 million particles per cubic foot. He worked in their mines for a period of five years. His large show well-advanced pneumoconious diagnosed as grade III. His vital capacity was 68 per cent. In spite of the well-advanced pneumoconious and lowered vital capacity, he showed no disability. His work record shows that he has lost only three works from illness over the past 24 years.

Another group of 16 men engaged in the same rubber processes but with shorter exposure periods were examined in the same manner. All chest roent-genograms were normal.

The producer of the tale discussed in this study stated that periodic roentgenographic examinations among his employees have failed to reveal any changes due to tale (12).

Дистаном

Previous publications reporting tale as a cause of disabling pneumoconiosis do not present

furthermore, contained from 25 to 35 per cent quartal

In an excellent discussion of the entire matter Pendergrass and Robert (13) stated "...the occurrence of an asbestosis-like reaction following prolonged exposure to tale would seem unlikely. Further controlled investigation, designed to eliminate the possible complicating factors of quartz-contaminated dust and infection, is, however, imperative before concluding with finality that the ruentgen changes are the reflection of a specific and progressive fibrosis, and that tale is the sole

Tool. 31, eg. 6

etiologic agent in their production. In this regard, it seems quite probable that the described coexistent nodulation may be silicotic in origin. In the reported autopsy cases there had been other opportunities for the inhalation of dusts presumably contaminated with silica, and in the mining of tale itself similar exposures have not been excluded."

SUMMARY AND CONCLUSIONS

- A review of the literature indicates that dust exposures producing pneumoconiosis allegedly due to tale were not restricted to that mineral alone, as tremolite, pyrophyllite, and even quartz were also involved.
- Physical examinations and chest roentgenograms of a group of 20 men exposed to take dust (hydrous magnesium silicate) for periods ranging from 10 to 36 years in rubber inner tube produc-

tion were normal for men of their age group and urban industrial environment.

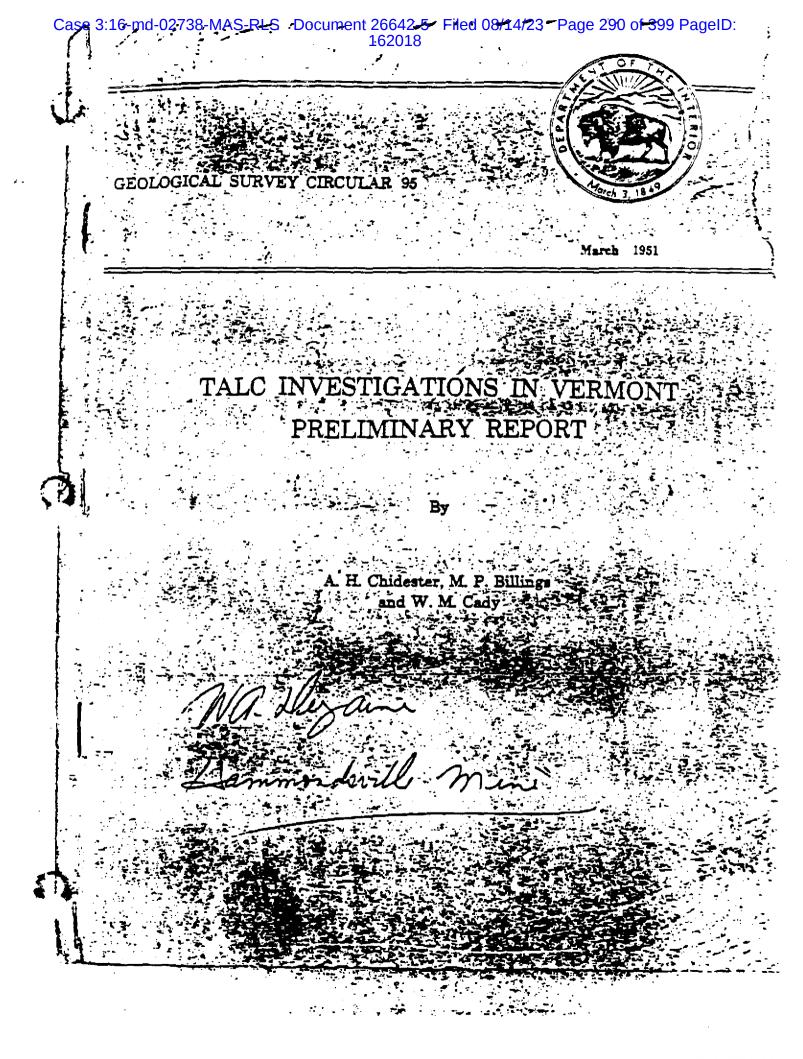
- 3. Similar examinations of another group of 20 men exposed for periods ranging from 10 to 25 years to whiting (calcium extbonate), with minor exposures to pyrophyllite (63 per cent quartz) and to tale, in rubber-reclaiming operations disclosed all to be normal except one whose condition was diagnosed as pneumoconiosis stage III. This man had the highest dust exposure in the two groups (150 million particles per cubic foot) and had a prévious occupational history of five years in mining.
- 4. The findings of the present study indicate that long exposure to tale does not appear to produce pathologic changes in the lungs.
- 5. Proposals that limits for silicate minerals be added to lists of maximum allowable concentrations should include careful definition of chemical and mineralogical composition.

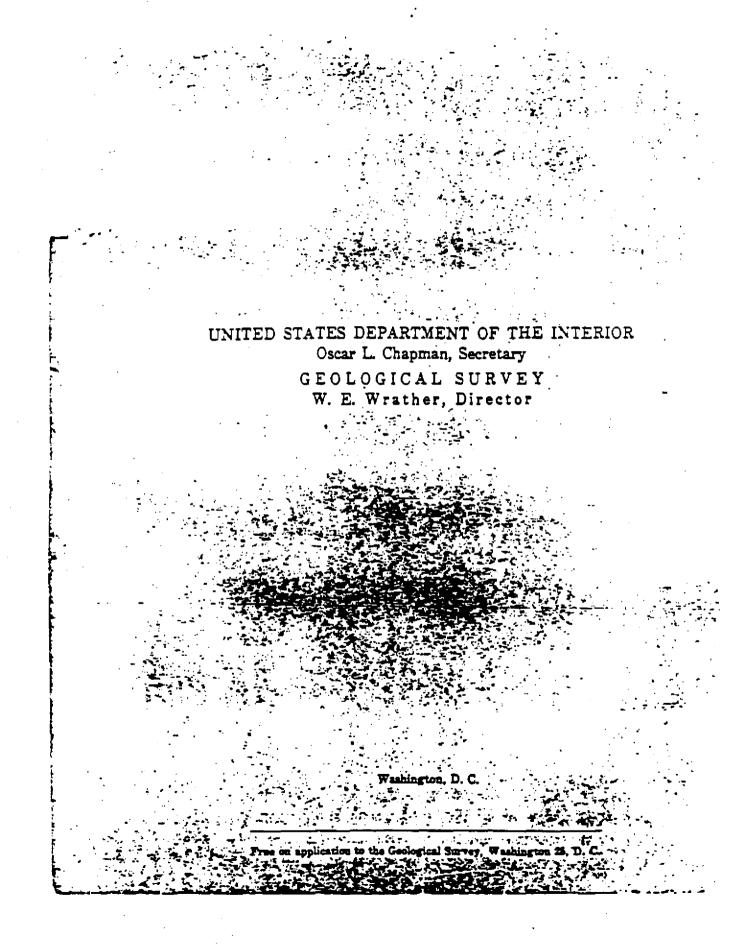
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EXHIBIT B





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Dierriannin derriandra.	See 185 \$550 \$300 \$300 \$100 \$100 \$100 \$100 \$100 \$10
ILLUSTRA	TIONS
	-
late 1 Map of Vermont showing locations of ultramatic	

PLT-04771-0020

TALC INVESTIGATIONS IN VERMONT PRELIMINARY REPORT

ABSTRACT

Commercial tale deposits in Vermont are derived from ultramatic igneous rocks confined chiefly, to a narrow belt that extends northward through the central part of the state from Massachusettisto Canada. This pelt forms part of a more extensive belt that may be traced from Alabama to Newfoundland.

Bodies of ultramafic tock occur in phyllites, schists, gneisses, greenstones and amphibolites. Most of the ultramafic rocks are emplaced in or near greenstones or amphibolites. Knowledge of the reprioral structural and strattgraphic relations of the belt is incomplete, but in general the country rock forms a homoclinal sequence and exhibits little repetition of formations by folding.

The ultramatic bodies range to width from a few feet to about a mile, and in length from less than 100 feet to at least 3g miles. They are of two types? Most of them, referred to here as the verde antique type, are completely serpentinized and more or less extensively steatifized. The second type, with which no commercial tale deposits are known to be associgred, commists of partly serpentifized durate or peridotte and minor pyroxenite, and commonly contains more or less chrysottle asbestos; this type occurs in one or two localities in southern Vermont and in saveral localities in northern Vermont. The mineral assemblage associated with the verde antique type of body reflects the effects of regional metamorphism alone, whereas the country rock bordering some bodies containing peridotite and dunite also reflects contact metamorphic effects attributable to the ultramatic BITTITIUS.

The typical ultramatic body of the verde antique type contains steatite and grit, (a mixture of take and carbonate at the marqins), and a core of serpentinits. The steatite zone, at the outer border of the body, commonly ranges from a few inches to a few feet in thickness. The grit zone, between the steatite and serpentinite zones, is commonly several feet to a few tens of feet thick. There are, however, all gradations from ultramatic bodies formed almost entirely of serpentinite to bodies made up exclusively of grit and steatite. Inclusions, septa, and tongue—"he projections of wall rock, which range widely in size, are common in the tale deposits; they are called "cinders" by the miners.

The structural features of the ultramatic rocks contrast rather markedly with those of the country rock. Serpentinite and grit show local schistosity that varies from poor to good, and steatite commonly exhibits a good schistosity. Some ultramatic masses appear to be folded. A layering or banding of undetermined origin is conspicuous at a few localities. Most serpentinite bodies are made up of rather distinct blocks of massive serpentinite as much as several feet across, termed shear polyhedrous, surrounded by thin, irrequiarlizyers of slickensided serpentinitie. This feature contrasts markedly with the structural features

of the country rock; it may be interpreted in 38,eral ways, but suggests that the serpentimite was intriced in solid state. Minor faults are found in a few intra-mafic bodies. Oursent general conceptions if the intrastion, serpenticipation, and steatification of the ultramafic bodies are materioriefly; a tellimite states ment of the genesis of the ultramafic rocks is not attempted.

It is inferred from the wide asstructure of localities in which ultramatic rocks are shown and the general prevalence of steamingtion at those closures, that the take reserves in Vermont are sample. The pergraphic positions of 145 localities are included. Disgestions for exploration and further peologic study are made.

INTRODUCTION

Commercial tale deposits, with a few exceptions. I fall into two classes: those derived from or very closely associated with ultramaffic igneous rocks and those formed from carbonate rocks of sedimentary origin. In commercial usage of the term pyrophyllite, whose properties are similar to those of tale, is commonly included with tale. Meanly all of the tale deposits in Vermont, and all of those of economic value in the state are of ultramafic origin.

Taic deposits related to ultramatic bodies were formed by the metamorphism and alteration of the ultramatic rocks, accompanied by muttir steatilization of the country rock. Although such tain deposits are commonly in or closely associated with highly sententiated ultramatic bodies, it is generally recognized that the processes of serpentinization and steatilization are unrelated and that serpentinization is an earlier process. Taic deposits derived from carbonate rocks are generally considered to have been produced by contact metamorphism of the carbonates where intruded by granitic rocks.

Tale derived from carbonate rocks is generally superior in "color" (whiteness) to tale associated with ultramafic rocks. But, many carbonate-derived deposits contain a large amount of tremolite which is undestrable in some tale products. Tale associated with ultramafic rocks commonly contains a relatively large amount of carbonate, and minor amounts of chlorite and serpentine, to which the generally inferior color of this type of tale is attributed.

Uses of Talc

Massive tald, called scapstone or steatite, 20 has peculiar properties, particularly softness,

A. S. J. Engel (written communication, Narron 29, 1950) signess. The Columnum, for example, several economic rate avecasis of the residence are seen as replacements of Committee and Propositional types of improve room. A Newton Strate, N. N. Lisa of Thermonic Tolar (controlly take and serbesture) has correct as a reclusive near grants, syenute, and magnetice.

For a detinition of these terms, as used in this paper, see 2. 2

denseness, impermeability, and high heat-resistivity, which have made it useful to man from very early times for making pipes, ornaments, and tooking grenatis. Tald has a wide variety of uses in modern industry. 3/ Scapstone is sawed into prayons and pencils which are used in foundries to many white-hot steel and in the garment industry to mark fabrics. Recause of its resistance to acids, scapstone is used extensively for laboratory tables and sinks. Its refractory properties make it suitable for moids for such materials as iron and glass. Its dielectric properties make it suitable for insulators and base plates for swittenboards. The pure, dense, cryptoprystalline variety of steature known as "lava grade" is valuable because it can be machined into intricate forms and then heat-treated to great hardness with negligible shrinkage. 4/

The soft varieties of talc which are not suitable for sawing or machining are ground to various degrees of fineness for a great variety of industrial uses. Some of the products in which ground taid is used are: paper, toilet and pharmaceutical preparations, pottery and porcelain, rope and twine, wall plaster, paints, electrical insulation, textiles, linoieum and oil cloths, scaps, roofing papers, rubber, lubricants, foundry facings, glass, agricultural insecticides, pipecoverings, leather, cement, asbestos shingles, candy, shoe polish, and crayons. Ground taid is used also to polish some acticles of food, such as coffee and rice.

The talc deposits of Vermont furnish varieties suitable chiefly for grinding, but small quantities of material suitable for pencils to mark structural steel are produced as a by-product. The largest producer of talc in Vermont reports the following consumption data, in terms of percentages of total sales, for 1949. 5/

	Percent
Faper	30
Rubber	18
Textiles	2
Roofing	5
Paint	5
Caramics	1
Cosmetics	Q.5
Insecticides	23
Asphalt filler	13
Miscellaneous	<u>2.5</u>
Total	100. 0

Preliminary maps available

As a result of the studies made by the U. S. Geological Survey in the period August 1944-November 1945, the following maps have been prepared and placed in open file:

The Johnson tale mine:

Geologic Surface map, scale: 1 inch to 30 feet.
Geologic map or the 200-foot level, scale: 1 inch to 30 feet.

Structure sections, scale: 1 inch to 30 feet.

 $^2\mathrm{For}$ is more complient discussion of the uses of tale see Encel (1949, pp. 1635-1638) or Galleon (1937, pp. 982-686).

*For further discussion of the presentine and uses of "land grade" steaming are Engel (1949, pp. 1036-1037; also reterences sated at his miningraphy, pp. 1039-1041).

³Outset with permission of Essions Magnesia Tale Co., Sufficient, Vi. The Waters any tale mone, erelamination main 34005. Geologic surface map, scale, 1 and 19 30 feet Underground maps, arounding pastogat member outline map of the underground wirkings. 1 inch to 80 feet, Structure sections, scale: 1 and 19 37 feet (3 sheets).

The Barnes Hill taid prospect, preliminary map 3-221.
Geologic surface map, scalar 1 mon to 50 feet

The Vermont Taic Co. quarry, Windham, prein - . map 3-221:

Geologic surface map and structure sections, scale: I such to 30 feet.

The Hammondsville talk quarry, treaming was 3-221:

Geologic surface map and structure sentions, scale: 1 inch to 30 feet.

The Rousseau tale prospect, presiminary mad [-1] Geologic surface map and structure sections, scale: 1 inch to 50 feet; geologic map of the underground workings, scale: 1 inch to 21 to 1. The control of the contr

The Mad River talo mine, preliminary map 3-227 Geologic surface map, scale: 1 unon to 50 fee geologic map of the underground workings a structure sections, scale: 1 unon to 20 feet.

The Carleton tale quarry, preliminary map 3-22"Geologic surface map and structure sections,
scale: 1 inch to 20 feet.

Copies of these maps, released as Strategin Minerals Investigations, Preliminary Maps, may a obtained by persons directly interested in the talk deposits upon application to the U.S. Detingion. Survey, Washington 25, D. C.

Scope of the report

The primary purpose of the report is in make available to interested persons the results thinking work to date. The report is based almost explus on their studies and is chiefly a resorration of the structural relationships of the tall deposits. There pretations based on laboratory data are not include as laboratory work is still in progress.

Acknowledgments

The authors appreciate the coursesy and cooperation of the officials of the following commands
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Magnesia Talo Co., Burlington, Vt., Vermont Ta.
Co., Chester Vt.; Vermont Minera: Products Co.,
Chester, Vt.; Mad River Talo Coro., New York,
N. Y.; and Vermont Marble Co., Riviand, Vt.

The Geological Survey is also indebted to a number of individual geologists, including P. R. T. P. E. Osberg, J. L. Rosenfeld, James Skeham, at J. B. Thompson, for their committations to various species of the investigations. The authors are proful to these persons for unpublished information to cerning the regional geology, and for invitations to join in several interesting and informative fields of

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The suitous binefitted from deteral days spent in the field with R. R. James and T. P. Theyer of the Geological Survey. James furnished unpublished information on the degloral geology. M. R. Meoper and A. E. J. Engel of the Geological Survey read the manuscript critically and suggested numerous improvements.

Definitions of technical terms

The following technical terms have been variously used in the past by different peologists, and many are in common use among talo in ners. Because some of the immers terms are apparently promited to the Vermont talo industry and may not be known in other areas, the terms in this report are defined.

Ultramafic. -- The term is used throughout the report in a briad sense with reference to the igneous rocks peridotite, dunite, and pyroxenite and their derivaties. Thus the term ultramatic body refers to the unaltered igneous rock, the serpentitute, the grit, and that part of the steatits which is an alteration of the criminal igneous body.

Serpentinite. -- The term is applied to rocks composed essentially of serpentine, after the usage of Lodochnikov (1933, p. 145), Phillips and Hess (1936, p. 353), and Selfridge (1936, p. 501). However, no genetic significance is attached to the term, as is apparently done by Phillips and Hess. The term serpentine is used here only in the mineral sense; it is used by miners in the sense of serpentinite as defined above. Verds antique is a trade term for serpentinite intricately veined with carbonate, and capable of taking a high points so that it is suitable for use as an ornamental stone. Ultramafic bodies composed entirely of serpentinite, grit, and steatite are referred to as the Verde antique type, and the serpentinite of such bodies is similarly distinguished. 5/

Serpentification is the process by which ultramatic igneous rocks were partly or completely altered to serpentimite. The term has no genetic significance as used here. The serpentimite zone includes the part of the ultramatic body that consists principally of serpentimite; it commonly forms the core of the verde antique type of ultramatic body.

Tale. -- The word tale is used here only in the mineral sense. Grit is a mineral term for a rock composed essentially of tale and carbonats. The grit zone is that portion of an ultramatic body composed almost entirely of grit; it lies between the serpentinite zone and the steatite zone. The term steatite

This explication of the tops needs animple type of surprisints is communic more restricted than that at Bain (1936, pp. 1967-1974) who distinguishes two grantical types of serperatula: the "word entime (white weathering) types" and the "reseventhering type." The words artique type of serperatulate as defined by Boan on the boats of word-string characteristics is being to seeke attention in alternative by large measure of uncertainties that is not personal. But is contained that contains only serperaturate on the words artique type. The communical verte artique occurs only in the latter, and the large entires may be leavedly features it such inclusive ing the purpose of personating a type of ultrafield cody. We be leve that the usup occurs only trye of serpentitute as sering by Science averagement on the verte children and Bean in any essential way, incommon as the verte obtains that it is series that of Bean in any essential way, incommon as the verte obtains the consistency of a children's boar in helpool determined more than the consistency of the ultrafield boar in helpool determined the lines the consistency of the ultrafield boar in helpool.

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is used in a organ series to be grove a root had comsists almost entirely of talm. The important tiptimotion is that there is practically no particular, entorite may be more or less adminant.

The Steating done is the contion of the Allermatic body and immediately adjacent altered country yook between the grit come and the blackwall zone see next paragraph) at the outermost adje of the universatio body. The term scapsione is restricted to steatine that is suitable for making sawn and shaped stads. Pencil stock is a variety of solutions with physical properties that make it suitable for "pencils" ison in marking structural steel. Disautication is the term applied to the process by which all universatio rook is partly or completely altered to take or tall and carebonate. No genetic significance is altered to the

Blackwall, -- The altered country rock at the outer corner of the steatute cone is taken outer outer of the steatute cone is taken outer outer. In the majority of deposits the outered is children schict, but in a few it is country as the blackwall zone is the altered part of the tomory rock between the Steatute cone and the unaltered country rock; it lies outside of the ultramatic body.

Cinder. -- The term "cinder" is applied by miners to masses of schist within a steatile-grit cony Cinders may range in size from small fragments less than an inch across to very large tabular masses. In practice, any body of schist which is not demonstrant a part of the accepted hanging wall or footwall if a deposit is referred to as cinder.

Geographic distribution of the tale deposits

The taic deposits of Vermont are associated with ultramafic rocks that form part of a cert more than 2000 miles long, which extends from Alacama to Newfoundland. The belt lies in the terrane of crystalline rocks of the Appalacman Mountains.

In Vermont the ultramafic rocks are nearly all confined to a rather narrow belt that trends northwar through the central part of the state from Massacrusto Canada. The belt is almost 25 miles wice at its northern end, but it narrows rather markedly administrated to that south of the Wincosia River it is not mouth a 5 miles wide except at the latitude of Plymouth, where it broadens to a maximum width of 10 miles. Plate 1 shows the location of all known ultramafic bodies in Vermont; their distribution indicates the pattern of the ultramafic belt.

Pulsium meanings have been attained to the word "Scientie" in geologic literature. Priority and bearry deviced made in a the definition given here. But it some pedicodd interest can expecutive in writings on high-quality external tests of attrever made has evolved. The term "stemate" is used in the devance interest made has evolved. The term "stemate" is used in the devance interest which may represent comments and comparatively stars valuely of four which may represent comments and private at the interest for the manufacture of respectives. U. S. Buyesy of Manes, from study of commercial another type of the study of the stars of the property of the study of the study of commercial and have stored in the study of the study

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BECLOSY

Most of the Albamadic pooks of Vermont occurin schists, payillies, and greenstones on the east Sank of the Green Mountain associatorium; but in the northern part of the State, north of the approximate latitude of the village of Johnson, several occurrences are known in similar formations west of the anti- clinorial axis; for example, in Cambridge, Waterville, and Berkshire townships. C. H. Hitchcock and A. D. Hager (Hitchcock et al., 1861, pp. 539, 543, 788-789) report occurrences of both serpentinute and steatite in schists and queisses in extreme eastern Vermont; these are apparently separated from those in the central part of the state by a broad synctimal belt of interbedded crystalline limestone and state. Scattered occurrences of serpentinute, steatite, and grit are frund in comparable rocks throughout both New Hampshire and Maine (Hitchcock, C. H., 1878; Smith, Sastin, and Brown, 1907, pp. 8-9). Further mowledge of the regional relationships of the ultramafic rocks must await completion of areal mapping now in progress.

The country rock

Rock types

The country rocks of the ultramafic belt include phyllites, schists, and queisses, with intercalated schistose greenstones and amphibolites that represent altered volcanic rocks, both tuffs and flows, and intrusive rocks, chiefly sill-like dikes. Most of the ultramafic bodies are empiaced in greenstone or amphibolite or in schist and phyllite in the immediate vicinity of greenstones or amphibolites. Mafic dikes formed after regional folding and metamorphism intrude the ultramafic rock and country rock at several localities. There are no known granitic intrusive rocks, other than small felsic dikes at a few localities, associated with the ultramafic bodies.

The ages of the various formation into which the ultramatic rocks are intruded are uncertain, but it is probable that they range from Cambrian to Lower or Middle Ordovician.

Structure

Knowledge of the structural relations in the ultramatic belt is yet far from complete. Throughout most of the belt the rocks are vertical or dip steeply east or west on the east limb of the Green Mountain anticlinorium. The strike ranges from slightly west of north to northeast and averages about north. Schistoxity and bedding are nearly parallel or parallel in most places where bedding issurecognizable. There is remarkably little repetition of beds in folds, but very small folds with amplitudes of a few inches are present almost everywhere throughout the belt. At some localities there are folds with amplitudes of tens or hundreds of feet, and in a few areas, as much as a mile. These reflect the regional structural pattern, particularly that of the Green Mountain anticlinorium. However, such large folds appear to be the exception rather than the rule.

This rather simple homoclinal structure passes in the vicinity of Chester township into broad

anticinal arches and large tilesturies the risumfolds. 2/ These structural features are not to for the relatively present width of the airstmilliin the latitude of Chester.

The wiremaile coaks

Composition and alteration

The original minerals of the ultramatic moves have been nearly or completely altered at most our littes, and only rare relics and phosts of nowes and pyroxene remain. It is difficult or impossible to a termine accurately the composition of the rocks of first emplaced. At several places in common Vernhowever, and in at least one place in solution Vernhowever, and in at least one place in solution Vernhowever, and in at least one place in solution. They are the ultramafic rocks are, at least in mant, remain unaltered (Bain, 1936, pp. 1963-1971). They are parently range from dunite, composed almost end of the mineral pyroxene as well as obvine is so most the mineral pyroxene as well as obvine is so most doubte of the ultramafic rocks were processly to periodouttic composition originally.

The ultramatic bodies may be divided into our types on the basis of absence or presence within help body of unserpentialized peridottle or during a falled that do not contain peridottle or during are called the verde antique type (see focuncte on p. 3 for a faller discussion). Those that contain unaftered periodities and durite correspond in a broad way to the redweathering type described by Bain (1936, pp. 1973).

All the commercial tale deposits in Vermont to associated with the verde aditique type of duramatic score, whereas none is known to occur in the analyst codies that are only partly serpentiated. In the other hand, cross-liber asbestos appears to focus in appreciable quantities only in differentiate of the contain traditional duration of periodicity, and is even for any in the verde antique line. Since the of superiodic aspects to associate with a few tale captain and so have a few examples of what appear to be tale pseudomorphs after cross-fiber aspectos.

Several investigations of ultramatic rocks (Selfridge, 1935, pp. 497-498; T. P. Thayer, trail communication, August 1949) from widely separated regions, supplemented by incomplete percopagnic studies made in connection with the current investigation in Vermont, indicate that the serpentine miner in the verde antique type of ultramatic body is antiportie, whereas the serpentine mineral in cerpenting associated with unaitered durite and peridottic is a non-asbestiform variety of chrysotile. 3/

*Thougase, J. B., Ord communication, September 1948.

⁹G. C. Selinidae (1936, pp. 458-469) gatures the sementine group or minerals as consisting of two mineral species, second the analysis of the consistent chrystolie to be on assessition variety of the species seccession.

Sain's conclusion that the "white-westlerune" and free-westlerung" approximate are two generic rypes (1936, pp. 1975, 975) may be presented to support the investing definition. The John Los the reference makes an each rypes on contagnity, but presents he supporting and in a company's different to distinguish the section of there is a representable of company and the present of t

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EXHIBIT C

Petrology and Geochemistry of Selected Talc-bearing Ultramafic Rocks and Adjacent Country Rocks in North-Central Vermont

By ALFRED H. CHIDESTER

GEOLOGICAL SURVEY PROFESSIONAL PAPER 345



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TALC-CARBONATE ROCK. STEATITE. AND TALC-CARBONATE VERYS

TALC-CARRONATE VEINS

Talc-carbonate veins are exposed and accessible to observation only at the Waterbury mine locality, but were also encountered in drill holes at Barnes Hill. Veins identical in mineralogic composition, form, and structural relations have been noted in many other ultramafic bodies in Vermont, and those at the Barnes Hill locality are inferred to be similar.

The talc-carbonate veins are composed of dolomite and talc in roughly equal proportions, finely disseminated traces of magnetite, and small blebs of pyrite. The dolomite occurs in coarse, anhedral, white crystals from % to 1% inches across; the talc forms fan-shaped aggregates of pale-green translucent folia as large as 1 inch across. Carbonate is predominantly near the centers of the veins and talc at the borders, but the relationship is irregular and many exceptions to the general pattern occur. Masses of carbonate from the veins are irregularly embayed and pitted, and in thin section wedge-shaped masses of talc are seen to extend into the carbonate.

The talc-carbonate veins commonly are joint controlled, though some are very irregular. Where joint control is apparent, the joints dip rather gently, though the direction of dip is variable. In a few places, where two or three sets of joints form a conjugate system, only the gently dipping set has a talc-carbonate vein along it, and the other joints are unmineralized. Not all gently dipping joints, however, have talc-carbonate veins along them.

STREET, TRITURAL PRATURE, AND PARAGRAPH

TALE

Optical data on tale are summarised in table 2G. The tale at a given locality is uniform in index except for that in tale-carbonate veins and in pseudomorphs after chrysotile asbestos, which has an index from 0.001 to 0.004 lower than the average. On the other hand, tale from Barnes Hill has a consistently lower index than that from the Waterbury mine and Mad River localities; tale from Barnes Hill averages about #=7= 1.385, whereas that from both the Waterbury mine and Mad River localities averages about 8=7=1.591. Only a few measurements of the a index were made; they indicate a birefringence of about 0.044 to 0.048. but the measurement of a is not as reliable as that of 3 = 7. The optic angle (2V) is consistently small, but varies from 0° to 25°. However, determinations of 2V are not reliable because of the probable superposition of layers of tale with c ares parallel but with the other axes randomly oriented with respect to each other. Extinction is parallel, the optic sign negative, and the sign of elongation is positive. The tale is colories in thin section.

Two chemical analyses of nearly pure specimens of tale are given in table 3 (mineral analyses 7 and 9). One of these (J-103), from the Johnson tale mine. Johnson, Vt., is included because specimens for chemical analysis of the pure mineral were not obtainable from the Mad River and Barnes Hill localities, and the specimen from the Johnson mine represents tale from the steatite zone of a purity not obtainable at the other deposits. It is of fine-grained pale-green tale that is distributed irregularly in the steatite in a branching veinlike pattern; no contaminating minerals are visible either megascopically or in thin section, but the analysis indicates the presence of small amounts of carbonate. Specimen W-83 is from a vein of coarse tale and carbonate. The only contaminating minerals are very small amounts of dolomits and traces of pyrite.

In addition to the chemical analyses of the mineral tale, there are two analyses of steatite (analyses 13 and 31) and three analyses of tale-carbonate rocks (analyses 21, 22, and 23). The steatite commonly contains only traces of dustlike particles of magnetite as visible contaminants, but locally small amounts of coloriess chlorite occur also. The tale-carbonate rock specimens contain variable amounts of carbonate and small amounts of magnetite. By subtracting the appropriate amounts of oxides for the minerals other than tale in each rock, it is possible to approximate rather closely the chemical analysis of tale in each specimen.

The calculated formula compositions of the tale in each of the two analyses of the mineral and five analyses of steatite and tale-carbonate rock are given in table 3. Tables 33 to 34, and 43 to 47 show the calculated modes and the derivation of the formula compositions. The formula compositions calculated from analyses of steatite and tale-carbonate rock are not as accurate as those based on analyses of tale, but they probably represent closely the actual composition of the tale. In each case appropriate corrections were made for recognized contaminant minerals in the sample. No corrections were made for chlorite in W-23 because there was no basis for estimating how much. if any. is present. The slightly high content of (OH) and of Red plus Red suggests the presence of a small amount of chiorite; the amount, however, must be so small that it does not manificantly affect the formula composition other than to make the (Al.Fe+1) content appear very slightly higher than is actually the case. The very small amounts of E.O and Na,O in each analyses were ignored in making the calculations.

It is not known whether the Al and Fe⁺² indicated in the analyses substitutes directly for Mg by partial replacement of 3Mg for 2(Al,Fe⁺²), or by coupled substitution for Si and Mg. Samples that contain very little alumina approach the ideal formula almost

.

EXHIBIT D

OCCUPATIONAL EXPOSURES TO NON-ASBESTIFORM TALC IN VERMONT

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INTRODUCTION

An environmental study of the Vermont talc mines and mills was undertaken in support of a concurrent epidemiological study of talc workers. Since geological studies dating from the early 1900's have shown that the Vermont talc deposits contain no asbestos and little quartz this population represents a group of talc workers employed in mining and milling operations who have no association with these two fibrosis producing minerals (Jacobs, 1914, 1918; Weiss and Boettner, 1967). Therefore, the intent of this study was to verify these geological reports by quantitating the personal dust exposures of these talc workers, and by identifying the mineral content of this "clean" talc pre.

MINERALOGY

Pure talc registal is a hydrous magnesium silicate (Table 1) and consists of a brucite sheet containing magnesium ions sandwiched between two weakly held silica sheets (Hilldick-Smith, 1976). This mineral is extremely soft and slippery, and has a hardness of 1 orithe Mohs scale. However, as used industrially, the term "talc" refers to a mixture of minerals that meet certain physical requirements rather than one which has a fixed chemical composition (Brown, 1973), industrial grades of talc (Table 2) usually contain chlorites which are sheet silicate minerals containing magnesium, iron, and aluminum, and carbonates which include magnesite, dolomite, and calcite. Quartz, iron oxides, serpentine (one of the minerals from which talc evolved) and tremolite may also be present. Since the constituents of industrial talc

TABLE 1. Some Chemical and Physical Properties of Taio

Tata: 35400-4510,-H₂0

Retractive incline: 1,54 - 1,6

Specific gravity: 2.6 - 2.8

Hardness (Mohs Scale): 1

Color: White or gray to apple green 📑

Morphological varieties: Lamineted and Fibrous

医骨头 衛衛衛士人名西班通 医人名法拉克

vary in their mineral and fiber content, the ensuing product has a considerable range in hardness and particle shape which contributes to its versatility.

TABLE 2. Some Minerals Found in Industrial Talc

Chignie	- (MgFe) ₅ Al(AlSL ₃ IO ₁₀ (OH) ₈
Magnesite	MgCO ₃
Dolomite	CaMg(C0 ₃) ₂
Calcite	_ catc ,
· Serpentine	
Quartz	so, ∉
Tremolite	Ca,Mg,Si ₁ 0,,(OH),

FIELD STUDY

The three major Vermont talc companies were surveyed in the summer of 1975 and the winter of 1976. Bulk samples from representative milling and mining operations were collected and were analyzed qualitatively for their mineral constituents. A total of 312 personal respirable mass samples (118 in mines and 194 in mills) were taken using nylon, 10 mm cyclones at a flow rate of 1.7 lpm. Seventy percent of these samples were analyzed for free silica content by infrared spectrophotometry or x-ray diffraction (Cares et al., 1973). Fifty-seven parallel filter samples were taken for fiber determinations on 0.8 μ m Millipore filters using phase contrast microscopy at X437 magnification and on 0.4 μ m Nuclepore filters using scanning electron microscopy at X5000 magnification.

BULK SAMPLES

Bulk samples from the mines and mineral mixtures or products from the mills were obtained from each company. Each sample was ground, dried, and scanned qualitatively by x-ray diffraction (Table 3). For all the samples, taic and magnesite are found in major amounts, chlorite and/or dolomite are minor constituents, and dolomite, calcite, quartz, biotite, ankerite, chromite, oligociase, or phiogopite may be found in trace quantities.

Quartz was present in trace-amounts in 15% of these samples. Further analysis by NIOSH, which included petrographic microscope analysis, transmission electron microscopy, and x-ray diffraction with step-scanning, revealed no asbestos in these samples.

EXPOSURES TO NON-ASSESTIFORM TALC

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TABLE 3. Qualitative Analysis of Bulk Samples by X-Ray Diffraction

Source	Major	Minor	Trace
	(20-100%)	(5-20%)	(<5%)
Mine (37)	Taic	Chiome	Dolomite
	Magneste	(Dolomste)	Calcate
		•	Quartz
	_		Biqtite
	_		Anvente
			Chromes
			Phiogopiae
		-	Oligociane
42 (20)	Tate	_ Chloras	Calcits
••	Magnesite :=	— (Dolomes)	Cuertx
	· 		Phiogophia
- -		•	Biotte
			Dolomine

RESPIRABLE MASS SAMPLES

The personal respirable mass concentrations of the miners for the two sampling surveys are presented in Table 4. Companies & and B were working one mine, while Company C had three mines in operation in the summer and two mines during the

TABLE 4. Respirable Mass Concentrations of Vermont Minera

Company		Surmer 1975			Winter 1976		
		(N)	GM	GSD	(N)	GM	GSD
			(1	ng/m²)		(mg/n	ng-')
A	Underground Affine	(14)	0.6	2.1	(1 6)	0.5	2.1
8	Underground Mine	(15)	⁷ 1.5	1.6	(23)	0.9	1,9
C	Underground Mine	(12)	0.5	1.9	(1 8)	0.7	1.8
	Walt-in Mine	(7)	12	2.2			
	Walt-in Mine	•			(4)	1.7	3.3
	Open Pit Mine	(2)	\$7	- 1.4			

GM - Geometric mean

GSD - Geometric standard deviation

N - Number of semples

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winter survey. Table 4 shows that the highest dust concentrations in the underground mines occur at Company B. The ore in this mine is relatively hard, and the extensive drilling operations required to break apart the large boulders may account for the higher dust levels. There is no statistical difference between the dust exposures of the summer and winter surveys for the mines.

The respirable mass data of the millers for the summer and winter surveys are presented in Table 5. With the exception of Mill #1 at Company C, all the Vermont talc mills are large, barn-like, drafty structures heated by space-heaters. Despite the

TABLES. Respirable Mass Concentrations of Vermont Millers

Company	,	5	Summer 197	75	Wint	er 1976	
, -	SMR	(N)	GM	GSD	(N)	. GM	GSD
			- 1	(wā\w.,)			
Company A	151-	(4)	1.7	1.6	(13)	1.7	1.9
	2nd	(5)	0.5	2.0	(3)	1.5	2.2
						-	
Company B	- 1 st ,	(22)	1.4	1.8	(42)	1.8	1.6
	2nd	(12)	2.9	1.7	(16)	1.9	1.51
Company C						-	
MIE #1	1st j	(12)	0.9	2.4	(20)	1.1	2.6
	3rd _.	(3)	0.8	2.0	(4)	1.4	1.9
Mil #2	1=	(11)	1.0	1.4	(8)	0.5	1.77
	2nd	(13)	0.8	1.5	(3)	1,1	1.5

^{&#}x27;P<0.5

winter closed-door policy, Table 5 shows that the dust concentrations were statistically different for only two shifts during the winter study. At Company 8, the lower winter respirable dust exposures for the second shift may be caused by the severe weather conditions which forced the milling area employees to stay inside their acoustical booths whenever possible.

EXP

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ticai: error cont

pan: min: dete micri that micri

takin and micro and a The ' magr

micro

talc c lengt: same throu same tions would

which which contra conce fibers. ing in

COUNT:

^{*}P<0.2

GM - Geometric mean

GSD - Geometric standard deviation

N - Number of semples.

EXPOSURES TO NON-ASSESTIFORM TALC

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Of the three companies, the millers at Company C have the lowest respirable dust exposures. The bagging area at Mill #1 was not operational in the summer, since most of the product is shipped in bulk. However, this area was sampled during the winter survey and may partially account for the slight increase in the missin dust exposures. Since only the bagging area at Mill #2 was operational during the winter survey, the mean exposures are lower than the summer data.

FIBER COUNTS

The carcinogenic potential and the hazards of asbestos exposures have been well documented. Also, several types of asbestos are known to be geological contaminants in taic ore. Since the accepted best index-of exposure to asbestos requires counting the respirable fibers in the worker's breathing-zone, a problem anses in the methodology of distinguishing asbestos fibers from taic. Characteristically, taic has a tendency to curl and stand on its edge which may result in-many enroneous counts by optical microscopy.

The latest USPHS/NIOSH method for counting asbestos fibers requires phase contrast microscopy at X400-500 magnification, and arbitrarily defines a fiber as a particulate with a length to width ratio of 3:1 or greater, and a maximum width and minimum length of 5 micrometers (Leidel et al., in press). This method is a crude determination of total fiber exposure because of the resolution limitations of optical microscopy. Most airborne aspestos fibers are less than \$\frac{\pi}{2}\text{m}\$ in length, and those that are longer may have diameters too small to be resolved by phase contrast microscopy.

To compensate for the many controversies, our sampling protocol involved taking parallel fiber samples on Millipore (0.8 μ m) and Nucleoper (0.4 μ m) filters and quantitating the fibers by phase contrast microscopy and scanning electron microscopy. The fiber samplers were placed in the immediate vicinity of the worker, and a breathing zone sample was obtained without having the man wear the pumps. The Millipore filters were counted using the latest USPHS-MIOSH method at X437 magnification.

The evaluation of the corresponding Nuclepore fittis' by scanning electron microscopy at X5000 magnification allows one to morphologically distinguish rolled talc particles and talc shards from actual fibers. Fibers less than five micrometers in length may be counted by the higher magnification of this instrument, and the sample stage may be rotated to view a specific particle at various angles, Figures 1 through 7 represent scanning electron micrographs (SEM) of some Nuclepore filter samples showing rolled talc and elongated talc particles. Phase contrast magnifications cannot resolve the detailed morphology of these particles, and hence they would be erroneously counted as fibers.

Table 6 represents a partial list of fiber samples, and shows that by phase contrast microscopy the counts range from 0 to 60 fibers/cc. The parallel filters counted by SEM are greatly reduced and range from 0 to 0.8 fibers/cc. These concentrations are below the present time-weighted average (TWA) of asbestos which is 2 fibers/cc greater than five micrometers in length based on the phase contrast method. If the minimum length restriction is released, then the total fiber concentration for some of these samples changes slightly and ranges from 0 to 2.0 fibers/cc. Thus this SEM method provides a more realistic approach to fiber counting in the talc industry.

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EXPC:

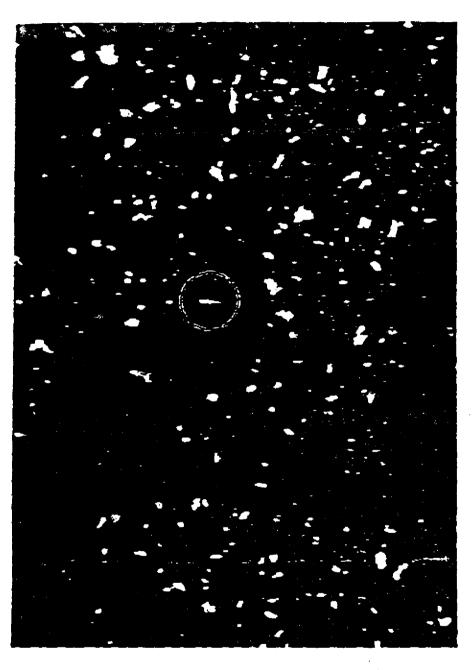


FIGURE 1. Scarning electron micrograph of a Nucleopre filter showing a counting field at X400 which is the magnification recommenced for fiber counting by phase contrast microscopy. Notice the number of elongated particles that fit the definition of a fiber.

FIGURE :

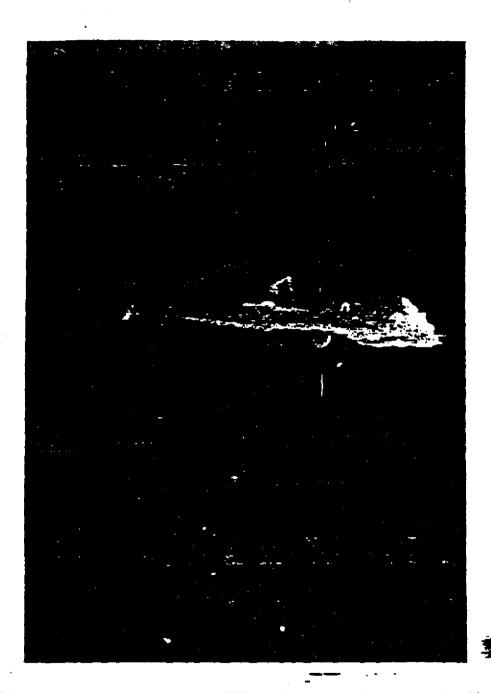


FIGURE 2. Scanning electron micrograph at X7000 magnification showing that the elongated particle located in the center of Figure 1 is morphologically not a fiber.

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FIGURE 3. Scanning electron micrograph of one rolled talc particle at X12,000 which has curied on both sides to form a tube. At a lower magnification this particle would be counted as a fiber.

FIGURE 4. S magnification wr laminated feature EXPOSURES TO NON-ASSESTIFORM TALC

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FIGURE 4. Scanning electron micrograph of an elongated particle standing on edge at X3500 magnification which might be considered as a fiber. By rotating the sample stage 60° (Figure 5), the leminated features of the taid particle can be seen.

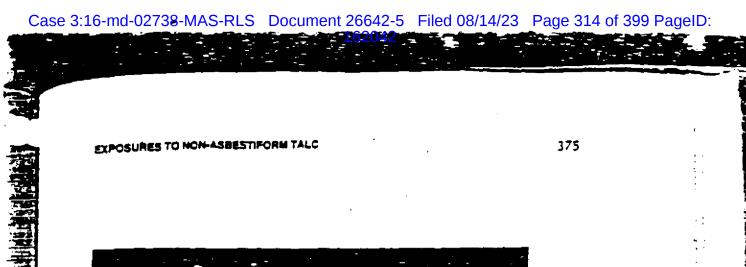
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EXP.

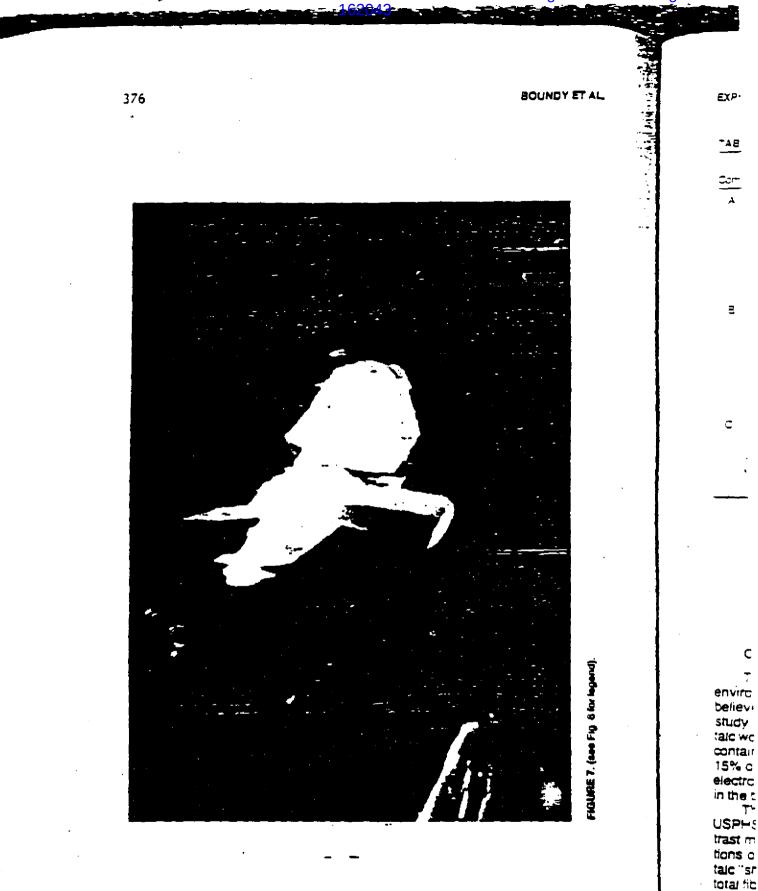


FIGURE 5. (see Fig. 4 for legend).





FIGURES 6. Scarving electron micrographs showing that even some "thers" are not immune from closer scrutiny. When the sample stage of the "tiber" in Figure 6 is rotated 50°, this "tiber" has the appearance as shown in Figure 7. These magnifications are X5000 and X15,000 respectively.



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TABLE 6. Fiber Counts

			Phase Contrast	SEM	SEM	
Company Location		Location	(fibers/cm² > 5 μ	um length)	fibers/cm²	
A	Mine	Botocas area	3.8	0	0.3	
		Drilling area	4. t	o		
	Mill	Crushing area	4.7	0	-	
	-	Sagger -	63.5	0		
		Palletzer	7.9	0.7		
		Oath-a	- - 0.8	o		
8	Mine	Onlier		_		
		SCROOL	16.1	0.7	2.0	
-	MAIN	Crusher .	1.6	o o		
		Bagger	- 6.0	0.8		
		Palletter	4.6	0.3		
c	Underground	Dniler	O. s	0.3		
-	mine	Muclus	0 ·	0.3	0.6	
•	Walk-in Mine	Automatic Miner	7. 5	0	3	
	Mil #2	Sagging Area	0.6	0.1		
		Paletting area	1.7	a		

CONCLUSIONS

The Vermont talc industry was selected by NIOSH for both epidemiological and environmental surveys to establish a TWA dust exposure because this talc was believed to contain minimum amounts of quartz and asbestos. This environmental study characterized bulk samples from the three companies, and quantitated the talc workers' dust exposures. X-ray diffraction studies showed that the bulk samples contained major amounts of talc, and only trace amounts of quartz were found in 15% of these samples. Petrographic microscopy analyses, analytical transmission electron microscopy, and x-ray diffraction with step-scanning revealed no asbestos in the bulk samples.

The study further showed that SEM should be considered as an adjunct to the USPHS/NIOSH method when counting fibers in a dust environment. Phase contrast microscopy may suffice in an asbestos environment, but the resolution limitations of optical microscopy and the inability to distinguish rolled taic particles and taic "shards" from actual asbestos fibers will allow only a crude determination of the total fiber exposure.

PLT-04771-0044

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EXHIBIT E

Case 3:16-md-02738-MAS-RLS Document 26642-5 Filed 08/14/23 Page 319 of 399 PageID: 162047 Consultant Report to Johnson & Johnson ANALYSIS OF TWO TALC SAMPLES BY SEM/EDS 24 September 1982 Submitted by: EMV ASSOCIATES, INC. Ethan J. Goldberg Laboratory Director John M. Wehrung Executive Vice President

-ANALYSIS AND RESULTS

Two talc samples were examined for freedom from asbestos by scanning electron microscopy and energy dispersive spectroscopy (SEM/EDS).

The samples were designated as 100 mesh ore acid steeped (EMV #1) and ground ore at 100 mesh (EMV #2).

The samples were prepared by two methods. The first method involved placing a representative quantity of the powder onto double sided tape until a uniform dispersion of particles was obtained. The second method involved placing a representative quantity of powder into a beaker containing 20 ml of ethanol. This mixture was ultrasonically treated for 10 seconds to allow the powder to become suspended in the ethanol. The ultrasonic treatment was then stopped allowing for a density separation of the particles in the ethanol. The top layer of ethanol (which would contain the lighter asbestos particles, if present) was then filtered directly across a Nuclepore membrane (47 mm diameter, 0.2 um pore size). A 1 cm² region of the filter was trimmed and mounted on an SEM stub.

All samples were then coated with an evaporated layer of carbon for electrical conductivity.

The samples were examined at various magnifications (1000X to 10,000X) during the investigation with the SEM. Any fibrous particles encountered were identified by EDS analyses and an EDS spectrum was also obtained for typical talc particles. Total area viewed during the examination was approximately 0.5 mm².



Results of the analysis on these samples are that no asbestos was detected. In addition, prismatic and blocky forms of tremolite were not detected.

Representative SEM micrographs and EDS spectra for typical areas observed are shown in Figures 1 and 2.



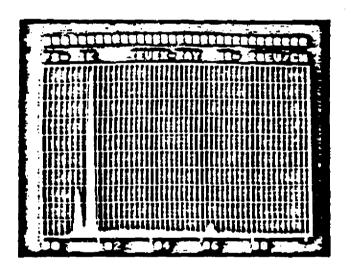
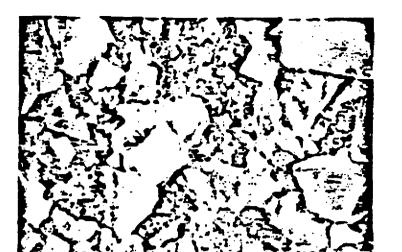


Figure 1. SEM micrograph of talc particles observed during the analysis of sample 100 mesh ore acid steeped (EMV #1). EDS spectrum is representative of particles encountered throughout the sample.



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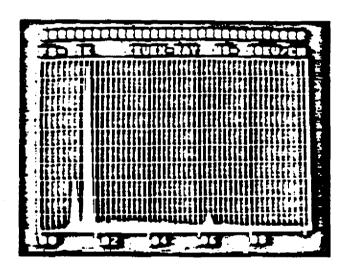


Figure 2. SEM micrograph of talc particles observed during the analysis of sample ground ore at 100 mesh (EMV #2). EDS spectrum is representative of particles encountered throughout the sample.

CERTIFICATE OF MICROANALYSIS FOR ASBESTOS

SAMPLE DESCRIPTION:

100 mesh ore acid steeped (EHV #1) and ground ore at 100 mesh (EHV #2)

HETHOD OF ANALYSIS: Qualitative physical and chemical characterization of fibrous material with the scanning electron microscope and energy dispersive x-ray analyzer.

RESULTS: No asbestos detected.

John H. Wehrung Zy

Date

Ethan J. Goldberg Laboratory Director EMV ASSOCIATES INC

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MICROANALYSIS LABORATORY 15825 Shody Grove Road Rockville, Moryland 20850

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EXHIBIT F

Case 3:16-md-02738-MAS-RLS Document 26642-5 Filed 08/14/23 Page 326 of 399 PageID: 162054

+ EMV

Consultant Report to Johnson & Johnson

ANALYSIS OF ONE TALC SAMPLE BY SEM/EDS

18 October 1982

Submitted by:

EMV ASSOCIATES, INC.

Leonard G. Burrelli Research Analyst

Ethan J. Goldbergi) Laboratory Director



ANALYSIS AND RESULTS

One talc sample was examined for freedom from asbestos by scanning electron microscopy and energy dispersive spectroscopy (SEM/EDS).

The sample was designated as talc ore coded 529-162.

The sample was prepared by two methods. The first method involved placing a representative quantity of the powder onto double sided tape until a uniform dispersion of particles was obtained. The second method involved placing a representative quantity of powder into a beaker containing 20 ml of ethanol. This mixture was ultrasonically treated for 10 seconds to allow the powder to become suspended in the ethanol. The ultrasonic treatment was then stopped allowing for a density separation of the particles in the ethanol. The top layer of ethanol (which would contain the lighter asbestos particles, if present) was then filtered directly across a Nuclepore membrane (47 mm diameter, 0.2 um pore size). A 1 cm² region of the filter was trimmed and mounted on an SEM stub.

The sample was then coated with an evaporated layer of carbon for electrical conductivity.

The sample was examined at various magnifications (1000X to 10,000X) during the investigation with the SEM. Any fibrous particles encountered were identified by EDS analyses and an EDS spectrum was also obtained for typical talc particles. Total area viewed during the examination was approximately 0.5 mm^2 .

No asbestos was detected in this sample during the analysis. In addition, prismatic and blocky forms of tremolite were not detected.

A representative SEM micrograph and EDS spectrum for a typical area observed is shown in Figure 1.

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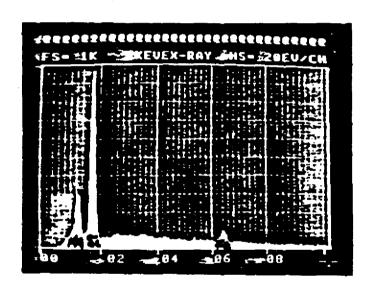


Figure 1. SEM micrograph of talc particles observed during the analysis of Johnson & Johnson sample 529-162. EDS spectrum is representative of particles encountered throughout the sample.

CERTIFICATE OF MICROANALYSIS FOR ASBESTOS

SAMPLE DESCRIPTION:

Talc ore 529-162

HETHOD OF ANALYSIS: Qualitative physical and chemical characterization of fibrous material with the scanning electron microscope and energy dispersive x-ray analyzer.

RESULTS:

No asbestos detected.

formand & Burrell.

18 October 1982

Ethan J. Goldberg() Laboratory Director EMV ASSOCIATES INC

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MICROANALYSIS LABORATORY 15825 Shady Giove Rood Rockville, Maryland 20850

EXHIBIT G

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Pages Exhibits -_and B

UNITED STATES DISTRICT COURT DISTRICT OF RHODE ISLAND

DAVID HOWARD WESTFALL IN HIS CAPACITY AS ADMINISTRATOR OF THE ESTATE OF THOMAS HOWARD WESTFALL AND HIS CAPACITY AS ADMINISTRATOR OF THE ESTATE OF BETTY E. WESTFALL, Plaintiff.

v.

WHITTAKER, CLARK & DANIELS, METROPOLITAN TALC COMPANY, INC., PFIZER, INC., WINDSOR MINERALS, INC., ITSELF AND AS SUCCESSOR TO EASTERN MAGNESIA TALC COMPANY, INC., AND OMYA, INC., ITSELF AND AS SUCCESSOR TO VERMONT TALC COMPANY, INC., Defendants.

Civil Action No. 79-0269

VIDEOTAPE DEPOSITION of ALFRED H. CHIDESTER, a witness called on behalf of the Defendants, taken pursuant to the Federal Rules of Civil Procedure, before Doris M. Jones, Registered Professional Reporter and Notary Public in and for the Commonwealth of Massachusetts, at the Offices of Nutter, McClennen & Fish, 600 Atlantic Avenue, Boston, Massachusetts, on Sunday, October 23, 1983, commencing at 10:15 a.m.

PRESENT:

Decof & Grimm (by R. Daniel Prentiss, Esq.), One Smith Hill, Providence, Rhode Island 02903, for the Plaintiff. (continued)

Doris M. NEO & Associates Professional Shormand Re.

101 Monmouth Street + Boston, Massachusetts 02140 (1017) 739-5888

am from Providence, Rhode Island and I represent 1 2 Omya, Inc. 3 MR. PRENTISS: I am Dan Prentiss. from the firm of Decof & Grimm in Providence and I 4 represent the plaintiff. 5 MR. LEIBENSPERGER: I would now like to 5 ask the court stemographer and court officer to swear in the witness please. 3 Ð ALFRED 4. CHIDESTER 10 a witness called for examination by counsel for 11 12 the Defendants, being first duly sworn, was examined and testified as follows: 13 1.4 DIRECT EXAMINATION 15 15 SY MR. LEIBENSPERGER: 17 9. Sir, would you state your full name 13 please. 19 Alfred H. Chidester. Α. And what's your home address? 2.0 **つ**. 21 A . 2427 Alsop, A L S O P, Court, Roston, 22 Virginia. 2 1 Э. Where are you employed? 24 U.S. Geological Survey. Α.

2. Are you married, sir? 2 Α. Yes. Any children?). 1 Three. ۹. Their ages? 5 2. Thirty-nine, 32 and 25. 4 Α. How long have you been employed by the united States Geological Survey? 9 Thirty-nine years. I think. Just 3 about. Nearly 39 years. 10 And what's your present position? 11 I am the associate chief of the Diffit-1.2 of International Seology. 1.3 11 Would you tell us what the United : 5 States Geological Survey is. It's an organization that has too 15 responsibility to prepare topographic maps of the l -United States, to assess the mineral resources of 13 1.9 the United States and the water resources. Is it a governmental agency? 27 2. 21 Λ . . Yes. Under what --22 2. 23 Department of the Interior. ١. 2.1 A federal government agancy then? 2.

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1	1. Yes.
2	Q. Sir, where did you attend under-
3	graduate college?
4	A. Augustana College in Rock Island,
5	Illinois.
3	Q. And what year did you graduate?
7	A. 1942.
3	Q. And what degree did you receive from
9	Augustana College?
10	A. B.A. i think it was. A.B., whichever
11	it is.
12	2. In what major please?
13	A. In mathematics.
14	Q. Now did you go on to any nigher
15	education?
15	A. Yes, I went to graduate school at the
17	University of Chicago.
19	Q. And what degree did you receive from
19	the University of Chicago?
20	A. Ph.D.
21	2. What year did you receive your Ph.D.
2 2	from Chicago?
2 3	A. It was granted in 1959.
2 4	2. Did you spend some time in residence at

the University of Chicago? 1 Yes. A little over three years. 2 And what were those years? 3 1942 to 1944 and '45 to '48. 4 Doctor Chidester, what was your first 5 2. 5 full time employment in the field of geology? I'm sorry, let me take a step back. I didn't ask you what your Ph.D. was in at the University of 3 Chicago. 3 Geology. Α. 10 What was your first full time 11 Q. employment in the field of geology? 12 My first full time employment was a 13 short -- about two months working on pegmatites in 14 New Hampshire. Then I transferred immediately 15 after that over to Vermont, working on the talc 15 17 deposits of Vermont. By whom were you employed? 19 Q. 19 A. Geological Survey. So your first full time employment was 20 2. the U.S. Geological and Survey and you have been 21 employed by them ever since; is that correct? 22 23 Yes. Α. 24 What year was it that you went to 2.

Vermont and began working in the area of tale · 1 deposits? 2 3 ۸. 1944. Did you develop a specialty or a 4 special area of interest within the United States 5 Geological Survey with respect to any particular 7 type of rock? 7 A. Yes, I specialized in the geology of 3 the ultramatic rocks with which tale is associated. 9 You used the word ultramafic rock. 10 Would you tell us what that is please. 11 12 It's an igneous rock that consists of minerals that are high in magnesium and iron. 1.3 You use the word igneous rock. Would 14 you tell us what igneous is please. 1.5 15 It's a rock that at one time in its 17 history was molten. 13 Such as -- well, molten meaning --19 Α. Melted. 20 Melted. All right. Let's take a step 2. 21 back them. With respect to your starting 22 employment in the area of talc and that area of 23 24 interest, how many years did you spend with the

1 -J.S. Geological Survey concerning yourself with 2 talc? Actually in field mapping probably 3 about a total of 19 years. 4 And where did this take place? 5 In Vermont and northern Massachusetts, 5 with considerable trips to other areas of 7 ultramafic rock though throughout the United 8 9 States. The primary area of your concentration 10 Э. geographically was --11 Vermont. 12 A . 13 0. Vermont? And northern Mass. 14 Okay. At some point in time in your 15 career at the United States Geological Survey fid 15 you change into another area of interest other 17 18 than talc? Yeah, I went into the lunar exploration 19 A. 20 program. Lunar exploration? 2 1 2. 22 Yes. Α. 23 2. And what year was that? 24 1953. Α.

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And would you tell us just very briefly 2. 1 what you did with respect to that? 2 Well, I became involved in the manned 3 lunar exploration part of the lunar program and it 4 was training the astronauts in field geology. 5 Where did you train the astronauts? 5 0. Oh, everywhere from Hawaii to Alaska to 7 Α. Iseland. 9 Would you give us the years inclusive 2. ą that you were involved with training the 10 11 astronauts? 12 A. 1953 to 1971. 13 What was your title with respect to 14 this job position? Well, it changed several times. 15 : t started out as chief of the field training for 15 1.7 astronauts. Then I became the chief of the mannet 13 lunar exploration branch of the Gaological Survey 19 and then was chief of the Astrogeology Center in 2.0 Flagstaff, Arizona. 21 Since 1970, Doctor Chidester, would you 22 tell us in a brief sketch what your area of 23 interest has been with respect to the United 24 States Geological Survey?

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I have been primarily involved in the international programs of the Geological Survey, 2 the coordination of those. And your present title is what? 1 Associate chief of the Office of 5 3 International Geology. And what does that entail, being 7 involved with the international programs? 3 Coordinating the activities of the 9 Seological Survey in tooperative research with 10 other countries throughout the world. 11 At the present time are you getting 12 1 3 ready to travel outside the United States? 14 Α. Yes. 1.5 2. Where are you going? 15 South Africa. Α. 17 On whose behalf are you going to South 19 frica? 19 The Seological Survey. Α. Will you tell us what this trip is just 2:0 2. very briefly? 2.1 22 . We have a cooperative program with 2.3 Australia, South Africa, Great Britain, West 24 Germany and -- the United States -- I knew thore

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was another one -- involving an assessment -developing an inventory of the principal mineral deposits throughout the world, exchanging information amongst these participants on these mineral deposits. With respect to this particular conference, if I can use that word, in South Africa, what is your title or role? I am the chief of the U.S. delagation. And when do you leave? What date do you leave for that trip to South Africa? 25th of October. And what date do you come back from the trip to South Africa? November 17. Doctor Chidester, do you belong to any professional societies? Α. Yes. Would you tell us what those are please? The Geological Society of America, American Mineralogical Society, the American Geochysical Union, Sigma Psi. Let's see, there must be a few others but those are the principal ones.

Now is the same true with the improve ο. ľ and sedimentary rocks? Does that offur over 2 3 millions of years also? Ordinarily, yes. 1 Α. Now how is the rock talk formed? 5 Well, there are two principal kinds of 3 Α. That is, in terms of what it was formed One is formed by the alteration of the 3 ultramafic rocks and talk is also formed by the 9 alteration of carbonate rocks like linestone. 10 So of the two ways that talk is formed --Э. and you used the word alteration. Does that again 1.2 change? 1.3 ۸. Change, yes. Over millions of years? Э. Over a considerable period anyway, ves. Α. Hundreds of thousands of years? 2. Hundreds of thousands. ۸. All right. Of the two ways that talo Q. is formed, which way is talk formed in Vermont? All the tale in Vermont that I am award of is formed by the alteration of ultramafic cocks. So the only thing we are concerned Q. about here today is the formation of talc from

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what you call ultramafic rocks? 1 Α. Yes. 2 3 Would you tell us then what en ultramafic rock is? 4 Ultramafic rock in the sense that we 5 are using it is -- those in Vermont anyway -- are 5 rocks that -- they were originally igneous rocks 7 and they consisted of two rock types in various 3 mixtures, dunite and peridotite. 9 And then did something happen to those 10 11 rocks to cause them to change? In Vermont they were -- most of the 12 ultramafic rock bodies are almost entirely or 13 entirely altered to serpentine. The rock name is 14 1.5 sarpentinite but it's a rock consisting of the 15 mineral serpentine and talc. Talc rock, lat's say. 17 If I understand you, the periodotite 13 and the dunite over hundreds of thousands of years 19 in Vermont was altered to sepentinite; is that 20 correct? 21 Α. Yes. 22 What is sepentinite then? 23 It's a rock consisting primarily of one 24 or more of the serpentine minerals, commonly

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entiquorite, lizardite and chrysotile. Now what happens --2 Э. 3 Λ. -- with minor accessory minerals. What happens to serpentinite that О. 5 causes a change to talc? MR. PREMTISS: Objection. Lat me rephrase the question. 2. My original question was how was tale 3 formed and you have talked about the formation of 9 10 serpentinite. What next happens in that process? 11 Under appropriate conditions of temperature and pressure the serpentinite can 1.2 13 alter to talk or -+ actually I use the term calk 14 rock in a loose sense. It's a rock consisting either entirely of talk or a rock of talk and 1.5 15 magnesite. 17 Would you describe for us the changes or the affects to serpentinite that causes that 1 . 19 alteration or change? 2.1 MR. PRENTISS: Objection. 21 With the -- when carbon dioxide carried 22 in solution deep within the earth, deep within the 2 3 rock mass, rock pile, reaches the body of 24 serpentinite, it's altered under appropriate

magnesite.

- Q. How long does that take?
- A. Oh, I suppose that is a long tentinue: protess.
 - 2. Well, in numbers of years?
- A. Well, you know, it's really hard to say, but hundreds of thousands to maybe a few million.
 - 'Q. Years?
 - A. Yes.

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- Q. Does talk have a specific structure to it that can be identified?
 - ۸. Yes.
- Q. Is that also true of sarpentinite or serpentine?
- A. Yeah, there are three serpentine minerals.
- 2. Can you tell the difference between those two things by looking at the structure?
- A. Yeah. Tale and serpentine minerals are quite easily distinguished.
- 2. Dontor, we have talked up to now about the rock tale and how tale was formed. I am paint to change the subject now. Nould you tell us white

DORIS M. JONES & ASSOCIATES

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MR. PRENTISS: Objection. You can answer.

A. Asbestos in Vermont, the kind that we are concerned with in Vermont that I have worked with, is a form of serpentine called chrysotile and it's formed in a body of serpentine rock, serpentinite, by when it is fractured and material moves — these fractures are filled with a solution, a fluid, mostly water, and the asbestos, chrysotile asbestos grows into these fractures.

- Q. Let me take a step back about the word asbestos mean? Is that a rock, a mineral?
- A. It's a particular -- it's a mineral that has a particular shape really.
 - Q. Are there types of asbestos?
 - A. Yes.
 - Q. What types are there?
- A. Well, the two basic principal divisions are amphibole asbestos and chrysotile asbestos.
- 2. Now of the two types of asbestos, amphibole on the one hand and chrysotile on the other hand, which of those kinds of asbestos is

DORIS M. JONES & ASSOCIATES

found in Vermont? 2 Α. Chrysotile. 3 o. Only unrysotile? MR. PRENTISS: Objection. 3 It's the only kind mined and it's the Α. 5 only kind that I have seen. 7 And I think you said in answer to a η. previous question that the thrysotile asbestos 9 derives from serpentine or serpentinite; is that 9 10 correct? 11 Α. Yes. 12 Would you describe for us what that 13 process is. 14 Under appropriate conditions of temperature and pressure, when a fracture is 15 15 opened in the rock --17 Opened in what rock? 2. In the sepentinite or in the dunite. 13 Α. 13 2. All right. It can also form in a rock that is not 20 Α. 21 completely altered to serpentinite. In fact it's 22 generally in those large bodies that there is some 23 residual igneous ultramafic rock left that you get 24 the chrysotile asbestos. And under these

conditions material moves up from the wall rock 1 into -- because of the -- I want to avoid getting 2 too technical but it moves out into the wall rock 3 and forms fibers, hairlike filaments of corysotile 4 that commonly are oriented normal or at a large 5 angle to the adjacent -- to the adjacent rock 5 7 bounding the fracture. Is chrysotile asbestos found only --9 well, let me withdraw that question. 9 You mentioned a cravice or a vein 10 before? 11 MR. PRENTISS: Objection. 12 What did you mean by that? A previde 13 О. or vein in What? 1 4 MR. PRENTISS: Objection. 15 15 A fracture in the host rock. ٩. What is the host rock? 17 Q. Sepentinite or dunite. 13 Α. What do you mean by fracture? 13 Q. It's a -- well, it's a space in which a 20 rock opens up to form a void of appreciable length 21 and width and generally much smaller thickness. 22 23 What occurs in that fracture with Э. 21 respect to this forming of asbestos you have

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talked about? . 1 Because of themical relations the 2 material from the rock bounding the fracture moves 3 out into the void and develops chrysotile asbestos. 1 5 I think you said before that you find 5 veins of chrysotile asbestos in a host rock of serpentinite or dunite; is that correct? 7 Yes. Α. 3 Do you ever find veins of chrysotile 9 0. asbestos in talc? 10 In a talc rock? No, I have never. 11 Α. why not? 12 2. MR. PRENTISS: Objection. 13 Because the process by which the talo 14 was formed has changed the serpentine, all the 15 serpentine minerals to talc. So any asbestos that 15 may have been there in the first place is altered 17 19 to talc. 19 2. How long does that take? Oh, you know, hundreds of thousands to 20 millions of years again. 21 22 Setween serpentine or serpentinite and 23 chrysotile asbestos, which would alter first into 24 talc?

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personally been at the Johnson mine in Johnson, 1 Vermont? 2 3 Λ. Yes. . 4 Would you compare the Johnson mine with this average ultramafic body with respect to the 5 existence of serpentinite? 5 7 Yeah. The Johnson mine has virtually --Α. 3 well, not -- not no serpentinite, but very little 3 serpentinite. Well, would you tell us with the o. 10 drawing you are looking at right now, with this 11 drawing, what happens to the serpentimite -- or 12 what happened to the serpentinite at the Johnson 13 mine? 14 Well, it all changed to talk and 15 15 magnesite. So that the area in the middle which is 17 13 serpentinite --19 Like so. Α. I understand. All right. Why don't 20 you have a seat again, Doctor Chidester, and let 21 me ask you a few more questions. 22 23 I think your earlier testimony was that 24 you spent from approximately 1943 or 4 to 1952

studying talo; is that correct? Yes. 2 Would you tell us, for example, in 3 Vermont just a description of what -- how hany mines, for example, you visited? 5 MR. PRENTISS: Objection. 5 In those years of '44 to '52, how many 2. mines did you go to in Vermont? 3 MR. PRENTISS: Objection. 3 Talo mines, I mean. 1 2 2. To virtually every talo mine. 11 Which is how many approximately? 1 2 o . Well, at that time there were probably 13 four or five active and several that were shut 14 1.5 down. 15 All right. And what did you to as part of your job for the United States Seological 17 Burvey with respect to looking at the tall miles? 13 19 MR. PRENTISS: Objection. 20 I would map the talk mine, collect samples, analyze the samples and write a raport. 21 Would you tell us what it means to map 22 2.3 the talc mine? 24 Well, mapping a mine consists of two.

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One, mapping the Sufface outcrop of the rocks in which you plot the distribution of the different rock types on a map and draw in the boundaries between the different rock types and make observations on the attitudes of the boundaries between these rock types, the continues, and then the underground workings you do the same only on a plot of the mine workings themselves. Now do you have to go into the mine э. itself to do the mapping? Α. Yes. Would you tell us them what do you for in terms of actually looking at things and quitting it down on paper? What's the process? You take a plot of the mine workings, which also includes in the mining activity they actually drill -- make diamond drill holes anead of them to plan their mining so that they know the distribution shead of the talc rock. So using this basic information you not in the walls, the distribution of rock types in the walls of the mine workings and make skettres of the roof or anything else that is relevant the collect samples for analysis.

Now what do you do with the samples **)** . 1 2 that you collect? Examine them with a hand lens and then 3 make a selection of samples that are 4 5 representative of different rock types and of the different areas so that you adequately cover the area of the mine and make thin sections for 7 microscopic study and select some for themical 3 analysis. 9 Now with respect to the Johnson mine in 10 Э. 11 Johnson, Vermont, did you have a direct experience or were you personally there at the Johnson mine 12 at sometime? 13 14 Α. Yes. 1.5 2. Did you map Johnson mine? Yes. 15 ٩. Tell us when that was. 17 194 -- the intensive period of mapping 19 was 1944 to 1945. 19 When you say intensive period, would 20 you describe your day to day working. 21 22 Virtually we made a map of the surface 77 and then map of the underground virtually every 24 day, spent much of that period actually in

underground mapping and surface mapping. 1 Since that time, 1945, have you been 2 back to the Johnson mine? 3 Yeah, I'd go back periodically after 4 Α. 5 1948 when I returned to Vermont to update the mapping as they progressed in their mining. 5 Approximately how many times after 10 +-7 I guess commencing in 1943 did you go back to 3 update the mapping? Oh, probably two, three, four times a Α. 10 11 year. . 12 Through what year? What was the last 2. time you updated the mapping at the Johnson minu? 13 Probably in the mid-fifties. 14 Α. 15 Was that your best memory? Can you ٥. 15 give us a year? 17 No, not really. I'd say probably 18 around '54, '55, something like that. Since 1954, 1955, have you gone back to 19 J. 20 the Johnson mine for any purpose? 21 I would go back occasionally to take 22 foreign visitors who were interested in tale, 23 probably two or three, four times. 24 Q. Can you give us the years that you took

DORIS M. JONES & ASSOCIATES

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7 5 visitors back to the Johnson mine after 1954 to '591 I'd say probably the last time would have been in '51 or '52. Now with respect to the Johnson mine mapping, did you take any samples from the Johnson mine? Α. Yes. Would you describe for us how you took Э. samples, where you took them, and what you did with the samples? I took them out of the mine workings Α. themselves, the walls of the levels, out of the stopes and particularly out of the stopes where the principal -- where the ore is fully mined. You are going to have to tell us what a stope is. It's a large opening above a level

A. It's a large opening above a level hallway, haulage way that is raised up along the tale body, in the tale body, and they open this out by various kinds of mining methods, and I'm no mining engineer so I won't attempt to describe them, so that it ends up as a very large opening, maybe a hundred or more feet high, several number feet long and 50, 50, 30, a hundred feet wide.

Is this all underground? **j**. Α. Yes. 2 So go anead, tell us further where did 7 2. you take samples in the underground --4 Throughout the mine really, where/er 5 there was a -- so that I had a good geographic 3 representation of the rocks as well as a good selection of slight variations in rock type, both 9 of the country rock and of the talc body itself. Э Would you tell us how many samples you 10 took from the Johnson mine? 11 Oh, I would guess three, four, five 12 hundred. 1.3 And what did you do with those samples? 14 Э. After examining them by hand lens, I 15 selected probably a hundred or so for thin 15 17 sections. 13 When you say thin sections, would you tell us what that means? 19 You cut a thin slice of rock, just /ary 20 thin so that light -- so the light can be 2.1 transmitted through it, and it's mounted on a 2.2 23 glass slide dovered with a glass plate. You but 24 it under a microscope, petrographic microscope,

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AR. PRENTISS: Vell, objection.
      think that calls for a yes or no answer.
 2
 3
           Α.
                  Yes.
 4
                  Let me withdraw the question and I will
 5
      get back to it.
                  Did you go into this mine that you have
 5
      now drawn for us?
 7
           A . .
                  Yes.
 3
 9
                  Did you, observe anywhere in the mine
10
      any serpentinite?
                  During the time that I was mapping
11
      there, there was no serpentinite exposed in any of
12
      the active mine workings. There was an old mine
13
      working that had been shut down for a number of
14
      years, and I'm not sure how many, several years
1.5
      though, before I started mapping, in which they
15
      had encountered serpentinite.
17
                  MR. PRENTISS: Objection. Motion to
13
19
      strike.
                  Let me go back for a moment.
20
           J.
21
                  What year did you start your mapping at
      Johnson mine?
22
2.3
                   144.
24
               -- And would you show us, for example, on
           2.
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this drawing where the mine shaft would be that . 1 2 the miners would go down in to get to the talo? Well, in the early days of mining they 3 went down on tale outeropping at the surface. 1 They went down for maybe a hundred feet. Then --5 By the early days of mining you make 5 7 when? The early 1900s. 3 Α. Before you were there? 3 ο. Bafore I was there. 1 2 Α. And they went down about a hundred feet? 11 Q. Something like that. 12 Α. Show us a hundred feet on this. 1.3 Q. 1 4 Α. There. Just down to there? 15 15 Α. Yes. When you got down there in 1944 was 17 2. that shaft going down a hundred feet still being 13 operated? 19 20. Α. No. 21 What shaft was being operated in 1944? They had put another shaft printipally 22 Α. in the country rock at 45 degrees. 23 So it andled down in the country (pik) 24 2.

Yes. Α. And then how would they get from that 2 3 shaft to where the talo was? They would drift over from the shaft it 4 appropriate intervals, something on the order of A 5 hundred feet, I recall, and then drift along the 5 7 langth of the ore body. The ore body meaning the talo? 3 9 Yes. Now I asked you before whether you ned 1.01 o . ever in your time at Johnson mine observed any 11 serpentinite and would you answer that question 12 13 again please. 14 ۸. Yes. Where was that? 15 2. 15 At the north and of this old working. Α. All right. Did you ever observe any 17 Э. serpentinite in the active mine? 19 No. 19 Α. 20 At any of your time at Johnson mine fif you ever observe any asbestos at the mine? 21 22 Α. No. 2.3 Were you looking for asbestos? 2. 24 ۹. Yes.

o. Why? 1 Well. I was interested in establishing 2 how these deposits -- and one of the tritical 3 things to establish is the relation of the talk to 4 the serpentinite and the relation in terms of age 5 and the relation of the talk to the asbestos in 1 the serpentinite. All right. Have you been in other 3 ultramafic bodies other than the Johnson mine 9 where you did see serpentinite, for example? 10 MR. PRENTISS: Objection. 11 12 Α. Yes. So you had seen serpentinite before; is 1 3 2. that correct? 14 1.5 ٩. Oh, yes. MR. PRENTISS: Objection. 1 5 17 And have you -- had you been in that time, in the 1940s and 1950s, in an ore body where 13 13 there was asbestos? MR. PRENTISS: Objection. 20 MR. DOLAN: 21 Objection. 22 Yes. Α. 23 Had you seen asbestos before? 7. 2 4 A. Yes.

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In a nine? 2. 1 Α. Yes. 2 3 Э. Now with respect to the samples that you took from the Johnson mine, I think you said 4 several hundred; is that correct? 5 3 Α. Yes. 7 2. Did you ever see any asbestos in any of 9 those samples? 9 Α. No. You also looked at under a microscope --10 I forget the number now, was it over a hundred? 11 Over a hundred. 12 Α. -- samples from the Johnson mine. Did 13 you see any asbestos in any of those microscopin 14 thin sections? 15 6.1 ۸. No. 17 Have you seen in your experience or had 13 you seen at that time in your experience asbestos 13 under a microscope? 20 7. . Yes. 21 Would you tell us please what microscope -- you may sit down, Doctor Chidester, 22 23 if you want. 24 Would you tell us please what type of

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microscope you used in the 1940s and '50s to 1-1 examine the samples from the Johnson mine? 2 3 It was a Laitz Spectrographic \mathbf{A}_{-} 4 microscope, polarizing microscope. 5 The first word you said was? 5 Leitz. Can you spell it? LEITZ. 4 And do you still today on occasion look 3 at rocks or rock samples under a microscope? 10 Rarely but occasionally. 11 What sort of microscope would you is: 12 o . 13 today to look at a sample? 14 Essentially the same kind, that probably costs about ten times as much but 15 15 essentially the same kind. Would you tell us please the procedure 17 О. you use when you look in the microscope to be abla 13 19 to identify the material you are looking at on the 2) thin section? 21 Well, there are various optical properties that are characteristic of different 22 2 7 minerals and they relate to the rate at which 24 light goes through the mineral and light goes

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chrough minerals -- each mineral it may go chround 1 in different rates in different directions. 2 So depending upon the individual 3 mineral, you get these variations in three or four 4 optical properties that enable you to distinguish 5 one mineral from another. That's the mineral 3 7 identification. Then you are concerned with the 9 relations between minerals, the fabric of the rock 9 itself and that the polarizing microscope brings 1) 11 these out too. So essentially you are identifying 12 textural relations of minerals and mineral spaties, 1.3 identifying mineral species. 14 Would the microscopic technique you 15 used in the 1940s and '50s reveal the existence 15 17 of asbestos in the samples? 13 A. Yes. 19 And with respect to the Johnson mine 20 did you see any asbestos? 21 A . No. 22 Did any of the samples that you took 2. 23 from the Johnson mine, were they taken to the 24 Smithsonian Institute?

DURIS M. JONES & ASSOCIATES

AR. PRENIISS: Objection. 1 There are some there now so I presume 2 Α. thay were taken there. 3 Do you know about that, as to how and 4 if any samples went to the Smithsonian? 5 Actually what the -- the Smithsonian is 5 the official I think repository of samples from the Seological Survey; but they are so buried in 3 samples that all they want are those that have 3 been chemically analyzed. So some of those that 10 were chemically analyzed are now in the 11 Smithsonian. 12 1 ? Some of those from the Johnson mine? 2. 14 Yes. Do you know that? 15 I haven't seen them myself but -- well, 16 ۹. wait a minute now. I have -- I guess it's 17 19 actually hearsay that it's there. 19 MR. PRENTISS: Objection. Motion to 20 strike. 21 Doctor Chidester, do you have an 22 opinion as to whether the told mined from the 23 Johnson mine in the 1940s and 1950s and the encly 2 1 1950s had any asbestos in it?

MR. PRENTISS: Objection. l Yes. Α. 2 What is your opinion? ٦. MR. PRENTISS: Objection. 4 It did not contain asbestos. 5 Would you tell us the reasons for that 5 opinion. 7 Because the areas that were actively mined while I was there contained no serpentinite q and aspestos would persist only in zones -- only 10 in the serpentinite, in say a body of serpentinite 11 12 that had not been altered to tale, in my opinion. MR. PRENTISS: Motion to strike. 13 14 And is your opinion based on your own observations and testing? 15 15 ۹. Yes. 17 MR. PRENTISS: Objection. 19 MR. LEIBENSPERGER: We might went to 19 take a break here if everyone else agrees. 22 MR. PRENTISS: Yes. 21 (Recess 'taken) 2.2 .Doctor, I just have a few more 23 questions I wanted to ask you. 24 With respect to the samples that you

It goes the other way. The serpentinite is 1 altered to steatite or to tale. 2 Do you know of a categorization of talo 3 2. as being either steatitized or serpentinized? 4 Talc being serpentinized? 5 Yes. Just as a classification of tale 3 2. 7 as being serpentinized as opposed to being steatitized. 3 7 If it's serpentinized it's no longer I can conceive of situations in -- no, I do 10 not. I guess the answer to that is no. As far as 11 [-- I have never run into serpentinized talc. 12 You are not familiar with that 13 terminology as a classification of a type of tale; 14 is that your testimony? 15 15 Α. I quess so. 17 Q. Okay. Serpentinized talc? I mean, the 13 alteration -- I'm not quite sure what is meant by 19 20 that. 21 Q. Okay. It's a contradiction in terms as for as 22 23 I am concerned. 24 2. Okay. To go back to my earlier

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Now in the process that you have **o**. described, and you used a chart, I will go to the chart in a bit, you have described a method by which certain kind of talc is created from serpentinite rock; is that right? Yes. Now serpentinite is a mixture of three 2. different serpentine minerals; is that true? Can be, yes. Α. Can be. What does it consist of? Can be antigorite, a couple varieties of chrysotile and lizardite. Okay. Is there such a thing as 2. serpentine itself? Is that a distinct mineral? It's a group name for this. The serpentine minerals are chrysotile, lizardite and antidorite. And you have said that during the

- Q. And you have said that during the geological process you have a mass of serpentinite that would be converted over time to talc rock?
 - A. Yes.
- Q. Is that the way you described the process by which the talk that is mined at the Johnson, Vermont mine is created?

A . Yes. 1 And you said that the method by which 2 that transformation takes place is that Carbon 3 dioxide reacts with the serpentinite; is that 4 correct? 5 ٩. Yes. 5 7 How does the carbon dioxide reach and penetrate into this serpentinite? 8 It's part of the fluid system that is 3 moving through the rocks during a process called 10 11 regional metamorphism. Now the serpentinite, is that a uniform 1 2 substance or is that made up of a variety of other 13 substances? 14 Serpentinite? 15 **A** . 15 2. Yes. 17 Well, it consists of serpentine 1.8 minerals and minor amounts of magnetite, 19 occasional relics, remnants of chromite, and 20 chloride. Those are the predominant. 21 If you were to take a cross-section of 22 a piece of serpentinite that's typical in the 23 Johnson, Vermont area, would that look like one

clean uniform structure or would you be able to

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Exhibit 207

U. WORD IN DUBLE IC. WESTIGHT CASE	

DOCUMENT NUMBER	1 DOCUMENT DATE	AUTHOR	RECIPERT	ម	PRIVILEGE ASSENTED	PRIVILEGE DESCRIPTION
P-JN1000001	· w	Ira I. Dembrow	John C. O'Shaughnessy	The second secon	Work Product; Common Interest Literation Privilege	Letter regarding intertion and strategy re: EMIC Littgation.
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P-JNJ000004	11/23/1982	W.H. Ashton	George E. Læ		Work Product	Memo / work product re: Westfall case.
P-JNIOCOCOS	10/22/1982	George E. Lee	W.H. Ashton	1000 (100 (100 (100 (100 (100 (100 (100	Work Product	Mame / work product re: Westfall case.
P-JNI000006	10/18/1982		Surrelli Ethan J. Goldberg		Work Product	Consulting Report / work product re: Westfall case.
P-JNJ000007	10/21/1982	George E. Lee	W.H. Ashton	The second section of the second seco	Work Product	Memo / work ground to: Westiali case.
P-JNJ000008	9/30/1982	George E. Lee	W.R. Ashton	the Color of the C	Work Product	Memo / work product re; Westfail case,
P-JANDODOXOS	9/28/1982	George E. Lee	W.H. Ashton	A Commence of the Commence of	Work Product	Memo / work product re: Westfall case.
P-JNJCCCC10	9/28/1982	G60%88 E. Lee	W.H. Ashton	The second secon	Work Product	· Memo / work product re: Westfall case.
P-JN1000011	7/2/1982	Edward P. Leibensperger	John N. Beicker	The second secon	Attorney-Client; Work Product	Letter / attorney clent communication re: Westfall cass.
P-JMJ000012	5/14/1982	Howard Johanson	Dennis J. McCarten	Donald Ferry; W.H. Ashton	Work Product; Common Interest Utigation Privilege	Letter regarding litigation and strategy re: Westfall case.
P-JNJ000013	5/13/1982	The state of the s	Dennis J. McCarten	A STATE OF THE PROPERTY OF THE	Work Product; Common Interest Litigation Privilege	Memo regarding litigation and strategy re; Westfall case.
P-JM1000014	4/28/1982	Howard Johanson	Dennis J. McCarten	W.H. Ashton; D. Ferry	Work Product; Common Inveress Litigation Privilege	Letter regarding litigation and strategy re. Westfall case.
P-JMJ000015	4/23/1982	0)	Demis 1. McCarten		Work Product; Common Interest Litigation Privilege	Memo regarding litigation and strategy re: Westfall case.
P-INICOCO115	4/20/1982	W.H. Ashtori	William A. Curran	Frank A. Bolden, Donald R. Ferry	Work Product; Common Interest Litigation Privilege	Letter regarding higation and strategy re: Westfall case.
P-JNJ000017	4/20/1982	W.H. Ashton	William A. Curran	Frank A. Bniden; Donald R. Ferry	Work Product; Common Interest Litigation Privilege	Letter regarding Regation and strategy re: Westfall case.
PJNJ000018	4/20/1982	W.H. Ashton	William A. Curran	Frank A. Bolden; Donald R. Ferry	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: Westfall case.
P-JNJ000019	4/20/1982	W.H. Ashton	William A. Curran	Frank A. Bolden; Donald R. Ferry	Work Product, Common Interest Litigation Privilege	Letter regarding higation and strategy re: Westfall case,
P-JNJ000020	7/22/1981	Frank A. Bolden	W.H. Ashton	G. Lee, W. Waggoner	Work Product	Memo / work product re: Westfall case.
P-JNJ000021	7/15/1981	Frank A. Bolden	W.H. Ashton	G. Lee; B. Somple; W. Wagganer	Work Product	Memo / work product re: Westfall case.
P-JNJ000022	3/13/1981	W.H. Ashron	Frank A. Bolden		Work Product	Memo / work product re: Westfall case.
P-JNJ000023	2/18/1981	Frank A. Bolden	W.H. Ashton	G. Lee; D. Ferry	Work Product	Memo / work product re: Westfall case.
P-JNJ000024	10/8/1982	W.T. Caneer, Colorado School of Mines research institute	nes W.H. Asticos	Seonge tee	Work Product	Letter to consulting expert re: Westfall case.
				J. Beidfer; F. Bolden; J. Blute; B. Deavenport; E. Leibensperger; R. Miller		Meeting minutes / attorney thent communication re; Westfall
P-JNJ000025	10/13/1982	N/A	George E. Lee	B. Semple, M.D.; J. Ulaski	Attorney-Client; Work Product	Case.
P-JNJ000026	10/21/1982	George E. Lee	W.H. Ashton		Work Product	Memo / work product re: Westfall case.
P-JNJ000027	9/28/1962	George E. Lee	W.H. Ashton		Work Product	Memo / work product re: Westfall case.
P-1NJD00028	10/22/1982	George E. Lee	W.H. Ashton		Work Product	Memo / work product re: Westfall case.
P-1NJ000029	9/30/1982	George E. Lee	W.H. Ashton		Work Product	Memo / work product re: Westfall case.
P-JN/IDD0030	5/30/1982	George E. Lee	W.H. Ashton		Work Product	Memo / work product re: Westfall case,
P-JNJ0000031	9/30/1982	George E. Lee	W.H. Ashton		Work Product	Memo / work product re: Westiali case.
P-JNJ000632	9/28/1982	George E. Lee	W.H. Ashton		Work Product	. Memo / work product re: Westfall case.
P-JNU000033	10/21/1982	George E, Lee	W.H. Ashton		Wark Product	Memo / work product re: Westfall case.
P-3NJ000034	10/21/1982	George E. Lee	W.H. Ashton	W	Work Product	Memo / work product re: Westfall case,
IN! ROS 00000114	12/23/1982	868 9 680085	Edward P. Leibensnereer	John M. Beidler, Joseph G. Blute; Roger N. Miller	Allemey-Cleat: Work Product	heiter / attorney clent communication re: Westfall case.
INI_ROS_00000115			Harold H. Banks, Jr.		Work Product	Draft Affidavit / work product re; Westfall case,
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F-INICOOUSE	4/19/1989	John C. O'Shaughnessy	W.H. Ashton	Bruce Semple	Atterney-Client, Work Product	Memo / work product re: Ent/Clifegeton,
P-:N1000039	4/17/1989	Dr. Frederick D. Popley	W.H. Ashton	Bruce Semple	Work Product	Letter to consulting expert re; EMTC Litigation.
P-1NUDGGGAO	5/8/1986	Ira J. Dembrow	W.H. Ashton	John C. O'Shaughnessy; Bruce Semple	Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
JNJ_RDS_00000139	5/5/1983	W.H. Ashton	fra 1. Dembrow	John C. O'Shaughnessy; Howard G. Stoane	Work Product; Common interest Littgation Privilege	Letter regarding fitigation and strategy re: EMTC Litigation.
INJ ROS_00000163	5/8/1989	Ira I. Dembrow	W.H. Ashtan	John C. O'Shaughnessy; Bruce Semple	Work Product; Common inserest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
JNJ_ROS_00000164	5/5/1989	W.H. Ashton	Ira J. Dembrow	John O'Shaughnessy, Howard G. Sloane	Work Product; Common Interest Litigation Privilege	Cetter regarding litigation and strayeever FMTC litigation
P-IN1000041	8/22/1990	Bruce Semple	W.H. Ashton	John C. O'Shaughnessy	Altorney-Client, Work Product	Mento / work groduct re: ENATC Sisteration
P-JNJODD042	8/22/1989	W.H. Ashton	John C. O'Shaughnessy	C. Ehmann; B. Semple	Alforney-Client, Work Product	Mena / Work arodust Pt. EMIL SHIRASION
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P-JNJ0000044	5/8/1989	Ira L. Dembrow	W.H. Asmon		Work Product; Coromon Interest Litigation Privilege	Letter regarding liteation and strategy re. EMTC Liteation.
INI_ROS_00000238	5/5/1989	W.R. Ashton	ira J. Dembrow	John C. O'Shaughnessy; Howard G. Stoane	Work Product; Common Interest Litigation Privilege	Letter regarding lineation and strategy re-EMIC interation.
JNJ_ROS_00000608	3/1/1990	Ira J. Dembrow	John C. O'Shaughnessy		Work Product; Common Interest Litigation Privilege	Letter regarding literation and strategy re. EAST Literation
P-JNJ000045	4/19/1989	John C. O'Shaughnessy	W.H. Ashton	Bruce Semple	Altorney-Clent, Work Product	Memo / work product re: EMIC Literation.
P-JNJ000046	4/4/1989	John C O'Shaugimessy	Ha J. Dembrow	Howard G. Sloane; Eric S. Sarner	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy rec EATC litigation.
P-JN1000047	3/31/1989		W.H. Ashton		Work Product; Common Interest Litigation Privilege	Draft Affidavit / work product re: ENTC Liteation.
F-INICOCO48			Or. Frederick D. Pooley		Work Product	Consulting Report / work product re: Westfall Case.
P-JNJD00049	4/17/1989	Dr. Frederick D. Posley	W.H. Ashton	Bruce Semple	Work Product	Letter to consulting expert re: EMTC Litigation.
P-JNJ000050			Dr. Frederick D. Pooley		Work Product	Consulting Report / work product re-Westfall case
P-INJOCCOSI	11/5/1982	John N. Beidler; George E. Lee; Edward P. Leibensperger		TOTAL COLD TO A	ANTOCOCO- NOTE AND ANTOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOC	1998 E. F. Arbeitschaften für einem eine mensen im mensen mit gegen im eine men gegen men seune gestellt der s
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P-JNJ000052	11/5/1982	P. Leibensperger folin M. Beidder, George E. Leas, Edward	Roger N. Miller	The states are stated and the state of the s	Attorney-Client; Work Product	Letter / attorney dient communication re: Westfall rase.
P-JNJ000053	11/5/1982	P. Leibensperger	Roger N. Miler		Altorney-Cilent; Work Product	Letter / attorney client communication re: Westfall case.
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P-JMJ000054		P. Leibensperger	Roger M. Miller		Allamey-Clent; Work Product	Letter / attorney clent communication re: Westfall case.
PJNUDOGOSS	bonda of the first	George E. Lee	Roger N. Willer		Allomey-Clent; Work Product	letter / attorney client communication re: Westfall case.
INJ_RDS_00000662	10/15/1982	John N. Beidler	Edward P. Leibensperger	Roger N. Miller	Attorney-Glent, Work Product	Letter / attorney clent communication re: Westfall case.
P-JN1000055	10/11/1982	John W. Berner, Deorge E. Lee, Laward P. Leibensperger	Roger W. Willer		Attorney-Clent: Work Product	one is the state of the state o
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P-INID00057	10/11/1982	P. Leibensperger	Roger N. Miller		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
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P-3NJ000059	10/22/1982	P. Leibensperger	Roger N. Miller		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
P. INSERNATION	100414001	John N. Beidler; George E. Lee; Edward	***************************************			A read for the second of the s
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P. N. ODTOGO			West Asiach		Work Product	Memo / work product re. Westfall case.
A A LOCATION	700 100 1000		Ur, Fréderick D. Pooley	· · · · · · · · · · · · · · · · · · ·	Work Product	Consulting Report / work product re; Westfall case,
r-injury.co			Dr. Frederick D. Popley		Work Product	Consulting Report / work product re: Westfall case.
P.INJB02064	2/18/1981	Frank A. Bolden	W.H. Ashton	C. Lea; D. Ferry	Work Product	Merio / work product re: Westfall case.
P-INJOCODES	10/22/1982	Edward P. Leibensperger	George E. Lee	John M. Beidler, Roger N. Miller	Attorney-Client; Work Product	Letter / attorney client communications on Macrical race
P.INJOCOGES	9/28/1982	Searge E, Lee	W.H. Ashlon		Work Product	Memo / work product re. Westfall case
P-JNJD00067	10/22/1882	Edward P. Leibensperger	George E. Lee	John K. Beidler: Rozer N. Miller	Allomey-Cleat: Work Product	Softon Saturday Place Programme Wilder Co.
P-MAD00068	5/28/1982	George E, Lee	W.H. Ashion		A STANCE OF THE	Secretary of second rate of second r
P-IN1000069	9/30/1982	George F. Ino	16/16		The state of the s	SECURITY THE POPULATION OF THE
IN ROS DODI135	10/71/1987	A PART OF THE PART	100000000000000000000000000000000000000		TAYSE A COUNTY OF THE PROPERTY	Mento / work product re. Westfall case.
a termonyo	0.500.4500.5		W. 77. A 28 C. 10	***************************************	Work Product	Memo / work product re: Westfall case.
r-seachard	7967/06/6	Sandara L. Lee	W.H. Ashton		Work Product	Memo / work product re. Westfall case.
P-171000071	16/22/1982	George E. Lee	W.H. Ashton		Work Product	Memo / work product re. Westfall case,
	3/25/1983	John Seider, George Lee, Edward	20 P.		The second secon	The same of the same and the same of the s
5 Kilonosts	2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2	20000000000000000000000000000000000000	auget a tenseer	metricum in the state of the second control of the second	Afformey-Clear; Work Froduct	Letter / attorney clent communication re: Westfall case,
r-snaak/2	5/1/1983	Roger N. Miller	Edward P. Leibensperger	John N. Beidler, George E. Lee	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
JNU_ROS_00001190	2/28/1983	John N. Beidler	Edward P. Leibensperger	George E. Lee; Roger M. Miller	Attorney-Client; Work Product	letter / attorney clear communication re: Westfall case.
				Joseph G. Blute; George E. Lee; Roger N.		the decemental what is the first of the property of the first of the f
P-JNJ000073	2/11/1983	John N. Beidler	Edward P. Leibensperger	Niller	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall Case.
P-JNJ000074	1/25/1982	Edward P. Leibensperger	George E. Lee	John N. Beidler, Roger N. Miler	Attorney-Client; Work Product	Esting attornes rient communication to Workini mass
			MANAGEMENT CONTRACTOR	Joseph G. Blute; George E. Lee; Roger N.		mine or a construction of the design of the control
P-INID00075	1/11/1983	John N. Seidler	Edward P. Leibensperger	Miller	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
INJ_ROS_00001199	1/20/1983	Edward P. Leibensperger	George E. Lee	John N. Beidler, Joseph G. Blute	Allorney-Clent; Work Product	letter / attorney then communication re: Westfoll case.
P.INSTRING	13/32/1987	r c		John N. Beidler, Joseph G. Biste; Roger	·*** * * *	and the second s
2000000	44 (44) 4404 4414 (444)	7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	toward F. Lensensperger	N. Willer	Attorney-Clent; Work Product	Letter / attorney client communication re: Westfall case.
r-snstoans//	9/21/1982	100 Com Wilder Made and and an experience of the company of the Co	W.H. Ashton		Work Product	Draft Affidawit / work product re: Westfall case,
P-JNJ000078	1/18/1983	ි දරුළිම දී, Lee	Edward P. Lelbensperger	John N. Seidler; Roger N. Miller	Attorney-Cleart; Work Product	teller / attorney clear communication re: Westfall case.
P-JNJ000079	1/1/1983	No. 6. Learn County and Teles County	W,H. Ashton		Work Froduct	Draft Afficient / work product re: Westfall case,
111		#		John N. Beldler, George E. Lee: Rager N.		The state of the s
JAN HUS DUMINIST	1/17/1983	Or. Frederick O. Popley	Edward P. Leibensperger	Willer	Work Product	Letter to consulting expert re. Westfall case.
F-JNUCAURO	1/11/1983	Edward P. Leibensperger	George E. Lee	J.N. Seidler, J.G. Bluste, R.N. Miller	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case,
P-INICIACE1	1/11/1983	I.C. Wagner	George E. Less		Work Product	Letter to consulting expert re. Westfall case.
P-JNJ000082	1/6/1983	Dr. J. C. Wagner			Work Product	Notes / work product re: Westfall case.
P-JNI000083	1/11/1983	Dr. Frederick D. Pooley	George E. Lee		Werk Product	Letter to consulting expert re: Westfall case,
P-JNJ000084	1/6/1983				Work Product	Notes / work product re: Westfall case.
P-INIOCOCES	12/13/1982	John N. Beidier; Roger N. Miller	George E. Lee		Attorney-Client; Work Fradoct	Letter / attorney client communication re: Westfall case,
P-JNJ000086					Wark Product	Notes / work product te: Westfall case.
P-INJ000087	12/13/1982	Edward P. Lelbansperger	George E. Lan	John N. Be'dler, Roger N. Miller	Attorney Clear, Work Product	Letter / attorney client communication re: Westfall case:
	12/6/1982	Edward P. Leibensperger	George E. Lee	John N. Seldler, Roger N. Miller	Attorney-Clent, Work Product	Letter / arconey clent communication re: Westfall case.
P-JNJCCCJ88	12/1/1982	Edward P. Leibensperger	Roger M. Miller	John M. Seidler, George E. Lee	Attorney Clent, Work Product	letter / attorney clear communication re: Westfall case.
INI_ROS_00001205	11/30/1982	Dr. Frederick D, Papley	Edward P. Leibensperger	John N. Seidler, George E. Lee	Work Product	Letter to consulting expert re: Westfall case.
P-IN10000189	11/29/1982	John N. Beidler	Edward P. Leibensperger	THE REAL PROPERTY OF THE PROPE	Attomey-Client; Work Product	Letter / axorney client communication re: Westall case.
P-JNJ000090	11/29/1982	Dr. Frederick D. Paciey	Edward P. Leibensperger	John N. Seidler, George E. Lee	Work Product	Letter to consulting expert to Westfall case.
P-JA1000091	11/29/1982	A. H. Chidester	Edward P. Leibensperger	John M. Beidler, George E. Lee	. Wark Product	tester to consulting expert re. Westfall care.
P-JN10000032	11/29/1982	John M. Wehrung	Edward P. Leibensperger	John M. Beldler, George E. Lee	Work Product	Letter to consulting ement re: Westfall case.
P-JNJ000093	12/1/1982	Edward P. Leibensperger	George E. Lee	Jahn N. Beidler	Attomey-Clears Work Product	letter / bitterne clear commencation en Westful race
P-JNJ000094	11/30/1982	Edward P. Leibensperger	George E. Lee	The same of the sa	Attorney-Clerk, Work Product	lefter / attorney client communication on Westfall care
P-3N1000095	11/30/1982	John N. Beidler	George E. Lee	Roger N, Miller	Altorney-Clean Work Product	letter / attender cleat communication on Worth Face
P-JAUDDOU36			Dr. Frederick D. Poolisy		Work Product	Subcriting Sunce Junet and sections to Market Junes
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			D. Truestra D. Todes	John W Baidler Present & Bline, Cones	٠,	Consultang Neboll / Work product re: Westian case.
JNU_RCS_00001208	11/16/1982	Dr. Frederick D. Pooley	Edward P. Leibensperger	m. Land Control of Con	Work Product	White to consider properties Wattalinace
P.JNJC00098	11/10/1982	George E. Lee	Edward P. Leibensperger	John N. Beidler	Attorney-Clent: Work Product	ferrer / attourer clear rommitteering to Westell rate
P-INJODD99	11/22/1982	George E. Lee	Edward P. Leibensperger	John R. Beidler	Attorney-Client; Work Product	teller / altomew chant communication re: Westfall race
MU_ROS_06001217	11/24/1982	Edward P. Leibensperger	George E. Lee	John N. Beidler, Roger N. Miller	Attorney-Client: Work Product	Letter / afformey client communication re: Westfall race
P.3NICODIO	11/23/1982	W.H. Ashton	George E, Lee	1	Work Product	Memo / work product re: Wessial case.
P-JNICOOIDI	11/17/1982	George E. Lee	Roger N. Willer	Edward Leibensperger, John Beidler	Attorney-Client; Work Product	Letter / attorney client communication re: Wessfall case.
P-JNU000102	11/2/1982	George E. Lee	Edward P. Leibensperger	John N. Beidler	Attorney-Gient; Work Product	Letter / attomey clean communication re: Westfall case.
P-JNJ000103	1/1/1965		Nutter McDennen and Fish		Work Product	Memo / work product re: Westfall case.
JNU_ROS_00001223	11/1/1982	John N. Beidler	Edward P. Leibensporger	George E. Lee; Roger N. Willer	Attorney-Client; Work Product	Letter / attorney client communication ret Westfall case,
P-JNJ000104	11/16/1982	Edward P. Leibensperger	George E. Lac	John N. Beidler, Roger N. Miller	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall Case.
P-IN1000105	11/10/1582	George E, Lee	Edward P. Leibensperger	John N. Beldier	Attorney-Client; Work Product	Letter / attorney client communication re; Westfall case.
P-JN1000106	11/9/1982	Edward P. Leibensperger	George E. Lae		Attorney-Client; Work Product	Letter / attorney thent communication re: Westfall case.
P-JNJ00G107	10/25/1982	George E. Lee	Veryl E. Larsen		Work Product	Consulting Report / work product re: Westfall case.
P-JMJ000108			Veryl E. Larsen	The same of the sa	Work Product	Consulting Report / work product re: Westfall case.
JRU_ROS_20001247	10/28/1982	Edward P. Leibensperger	George E. Lee	John N. Beidler, Roger N. Miller	Attorney-Client; Work Product	Letter / allorney client communication re: Westfall case.
P-JMJ0003109	10/25/1982	1.C. Wagner	George E, Lee	· · · · · · · · · · · · · · · · · · ·	Wark Product	Letter to consulting expert re: Westfall case.
P-7NJ000110	10/22/1982	Edward P. Leibensperger	George E. Lee	John M. Beldler; Roger M. Miller	,	Letter / altorney clant communication re; Westfall case.
**************************************				Joseph G. Bluta; George E. Lee; Roger M.		and the second s
JNJ_RUS_00001254	10/22/1582	John N. Beidler	Edward P. Leibensperger	Miller	Attomey-Clent; Work Product	Letter / attorney client communication re: Westfall case.
THE BUC WOOD JOE	10/22/1003	2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C		John N. Beidler, George E. Lee, Rozer N.		
P.INIOOTT 1	10/21/1982	Carried Fig.	Maria Cartera	C. 1314C.	WORK PRODUCE	Renor to constituting expert re; Westian case,
P chichart	10/4 1/4 1/20 1	200 mm m	ve, restand		WORK PTOOLES	wemo / work product re: westian case,
F-3743000112	10/13/1962	Or. Frederick D. Popley	George E. Lee	Bruce Semple	Work Product	Letter to consulting expert re: Westfall case.
P-1N000113	10/18/1982	Edward P. Leibensperger	George E. Lee	J. Beider, R. Miler, B. Semple	Attorney-Client; Work Product	Letter / attorney thent communication ret Westfall case.
				Descension of establishing the state of the		Section 20 man and Section Commences of the Section and Section 20 man Section 20 man Section 20 Se
P-IN2000114	10/13/1982	With the Commence of the Comment of	George E. Lee	B. Semple, M.D., J. Utaski	Attorney-Clent: Work Product	CASE.
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THE SAME OF THE	10/0/1204	Procession modelling	w.n. Ashton	පුතුරුලිම <u>(එම</u>	Work Product	Letter to consulting expert re. Westfall case.
ביינומטטויים ש	10/0/1352	princ senine	John M. Deldier		Attorney-Lient; Work Product	Letter / afforcay clant communication re: Westfall case.
P-sregons?	10/1/1982	John W. Beidler	Edward P. Leibensperger	Roger N. Miller	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
INDICATE	9/30/1887	ಓಣರಾಕ್ಷe ಓ. Lee	W.H. Ashlon	Commence of the commence of th	Work Product	Memo / work product re: Mestfall case,
P-JN:000119	9/28/1982	George E. Lee	W.M. Ashton		Work Product	Memo / work product re: Westfall case.
F-318,8001.20	9/28/1982	George E. Lee	W.H. Ashton	The second secon	Work Product	Memo / work product re: Westfall case,
P-#W:000121	7/2/1982	Edward P. Leibensperger	John M. Beidler		Attorney-Clent; Work Product	Letter / attorney client communication re: Westfall case.
P-JN-000122	6/2/1982	Frank A. Bolden	Willem A. Curran	D. Ferry; H. Johanson	Work Product; Common interest Lingation Privilege	Letter regarding litigation and strategy ze: Westfall case.
P-IN1000123	5/14/1982	Howard Johanson	Dennis J. McCarlen	Donald Ferry; William M. Ashton	Work Product; Common interest Utigation Privilege	Letter regarding litigation and strategy re. Westfall case.
P-JN5000124	5/13/1982	8	Donals J. McCarten		Work Product; Common interest Ultigation Privilege	Memo regarding litigation and strategy re: Westfall case.
P-JN5000125	4/28/1982	Howard Johanson	Dennis J. McCarten	Donald Ferry; W. Ashton	Work Product; Common Interest Unigation Privilege	Letter regarding Higation and strategy re; Westfall case.
P-JN/5000126	4/23/1982		Dennis J. McCarten		Work Product; Common interest Litigation Privilege	Memo regarding litigation and strategy re. Westfall case.
P-JNJ000127	4/20/1982	W.H. Ashton	William A. Curran	Frank A. Bolden, Esq.; Donald R. Ferry	Work Product, Common interest Littgation Privilege	Letter regarding higation and stratogy re. Westfall case,
P-JNI000128	7/15/1981	Frank A. Bolden	W.H. Ashton	G. Lee; W. Waggoner; B. Semple	Work Product	Mema / work product re: Westfall case.
P-INID00129	7/22/1931	Frank A. Bolden	W.H. Ashton	G. Lee; W. Waggoner	Work Product	Mema / work product re: Westfall case.
P-INID00130	2/18/1981	Frank A. Bolden	W.H. Ashton	G. Lee; D.Ferry	Work Product	Memo / work product re: Westfall case,
P-JNI000131	6/2/1982	Frank A. Bolden	William A. Curran	Donald Ferry	things brokens Common intorast fillsasing Societies	The same of the sa

DOCUMENT NUMBER		AUTHOR	RECIPIEMT	33	PRIVILEGE ASSERTED	PRIVILEE DESCRIPTION
P-JNJ000132	7/2/1982	Edward P. Leibensperger	John Al. Beidler		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
JAU_ROS_00001293	9/8/1983	John N. Beidler	Edward P. Leibensperger	Joseph G. Blute, George E. Lee, Howard Johanson, Roger N. Miller Roger N. Miller: George E. Lee, Joseph	Attorney-Clent Work Product	Letter / attorney dient communication re. Westfall case.
JN1_ROS_00001328	6/22/1983	John N. Beidler	Edward P. Leibensperger	G. Blute	Attorney-Client, Work Product	Letter / attorney client communication re: Westfall case.
JAVI_ROS_00001329	6/22/1983		Edward P. Leibensperger		Attorney-Client; Work Product	Mema / work product re: Westfall case.
P-JNJ000133	8/11/1983	Edward P. Leithensperger	George E. Lee	John N. Beidler, Roger N. Miller	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
INJ_ROS_00001342	8/9/1983	Edward P. Leibensperger John N. Beldier, George E. Lee: Edward	ರೇರಾಭಿಸ E. 1 <i>ತಿತಿ</i> ದ	John N. Beidler, Roger N. Miller	Altorney Client, Work Product	Letter / attorney client communication re: Westfall case.
JNJ_RCS_00001412	5/8/1983	J. Leibensperger	Roger N. Willer		Attorney-Client, Work Product	Letter / attorney client communication re: Westfall case
JNU_RCS_00001422	5/8/1983	John N. Beidler	Edward P. Leibensperger	Joseph G. Blute; George E. Lee; Roger N. Miller	1 .	fetter / attorney client communication re. Westfall case.
P-JNJ000134	6/6/1983	John N. Beidler	Edward P. Leibensperger	Joseph G. Blute, George E. Lee, Roger N. Miller	Attorney-Cleat; Work Product	ketter / attorney client communication re: Wexfall rass.
JNJ_RCS_00001428	5/27/1983	John N. Beidler	Edward P. Leibensperger	Joseph G. Blute; George E. Lee; Roger N. Miller	Attorney-Client Work Product	Letter / attorney clear communication re- Westfall rase
INJ_RCS_00001478	5/18/1983	John N. Seidler	Edward P. Leibensperger	George E. Lee; Roger N. Miller	Afterney-Gient; Work Product	Rester / attorney clear communication re. Westerland
P-;N1000135	4/11/1983	Edward P. Leibensperger	Dr. Frederick O. Pooley		West Fraction	Consulting Report / work product res Wessiali case.
P-INJOOCI36	5/18/1983	Dr. Frederick D. Pooley		John N. Beidler, George E. Lee, Anger M. Miller		Letter / attorney client communication re: Westfall case.
P-INJ000137	5/2/1983	John N. Beidler; George E. Lee; Edward P. Loibensperger	7-1	enderde en en en eneme enemedightete (manufagt) de describe en et de describe en en en enemedightete (manufagt) de la company de	Attorney-Clear Work Product	Letter / attorner client communication in Worlfall Taca
JNJ_ROS_00001524	4/29/1983	Sobs R. Belder	Edward P. Leibensperzer	Roger N. Miller; George E. Lee, Joseph G. Blate	Astronomy Mark Profes	#85 pr 2thernas client remonstration on Misselfall was
JNU_ROS_00001525	4/27/1983	Edward P. Leibensperger	B.T. Kenner	management of the control of the con	Attorney-Clent; Work Proticol	Memo / work product te: Westfall case.
P-JNX000138	4/11/1983	Edward P. Leibensperger	Dr. Frederick D. Pooley	Commission (AMP) and the CA of the Carter of	TANGER PROBLEM	Consulting Report / work product re: Westfall race.
MJ_ROS_00001527	4/25/1983	Edward P. Leibensperger	George E, Lee	8. M. Deavenport; R. N. Miller; J. M. Beidler.	Attorney-Client: Work Product	Letter / zuonev client comminication re-Westfall race
P-JMJ000139	4/18/1983	Edward P. Leibensperger	Grorge E. Lee	John N. Beidler; Roger N. Miller	Attorney-Client; Work Product	Letter / attorney them communication re: Westfall caus
P-3N:000140	4/4/1983	Edward P. Leibensperger	Gಕರಾಶ್ವಕ್ತ Lee	The second secon	Attorney-Client; Work Product	Letter / attorney clear communication re: Westfall cage
JNJ_ROS_00001530	3/31/1983	Edward P. Leibensperger	George E. Les	on the first of the first of the control of the first of	Attorney-Client, Work Product	Letter / attorney clent communication re: Westell race
P-JN1000141	3/25/1983	John W. Beidler	Edward P. Leibensparger	George E. Lee; Roger N. Willer	1.000	Letter / attorney client communication re: Westfall case.
INI_ROS_00001544	3/29/1983	John N. Beldker	Edward P. Leibensparger	Joseph G. Blute, George E. Lee, Roger N. Miller	Attorney-Client, Work Product	Letter / attorney Elent communication re: Westfall case.
INI ROS ONDOTESA	2/10/10	Cran & Balder		Joseph G. Blute, George E. Lee, Roger N.	1	ATTENDED TO THE PARTY OF THE PA
P.3N (MM)142	3/10/1983	Friend & Gaserier M D	ruwatu r. thiomopalisa	WiteEr	Attorney-thent; work Product	letter / attorney clent communication re; Westfall case.
effective the street of a traction of the street	And the second control of the second control			Joseph G. Blute; George E. Lee; Roger N.		Letter to condusting expert () C. Westbar 1839.
JAU_ROS_00001557	3/10/1983	John M. Beidler	Edward P. Lelbensperger	Miler	Attorney-Client; Work Product	Letter / attorney clent communication re; Westall case.
JAN_ROS_00001596	3/14/1983	John M. Beidler	Edward P. Lelbensperger	George E. Lee; Roger N. Miller	Altorney-Clent; Work Product	Letter / attorney clent communication re; Westfall care,
P-JNJ000143	4/11/1983	Edward P. Leibensperger	Dr. Frederick D. Pooley		Work Product	Consulting Report / work product re: Westfall case.
P-JNJ000144	11/23/1982	George E. Lee	John N. Bekdler	8, Semple; B. Deavenpor	Attorney-Clent; Work Product	Letter / attorney client communication re: Westfall case,
P-JNJ000145	9/30/1982	George E. Lee	W.H. Ashton		Work Product	Memo/ work product re: Westfall case,
P-JNJ000146	10/21/1982	George E. Lee	W.H. Ashton		Work Product	Memo / work product re: Westfall case.
***************************************	7/9/1992	Allen S. Josfyn	John C. O'Shaughnessy		Work Product; Comman Interest Litigation Privilege	Letter regarding ingation and strategy re: ENITC Lingation,
INI_ROS_00001648			Carci Rodgers; Ian M. Stewart		Work Freduct	Tak testing / work product re: Westfall case,
JNJ_ROS_00001649			Carol Rodgers; Ian M. Stewart		Work Product	Telt testing / work product re: Wessiall case.
JNJ_ROS_00001650			Carol Rodgers; Ian M. Stewart		Work Product	Take testing / work product re: Westfall case,
JNJ_ROS_00001674			Carol Rodgers: Ian M. Stewart		Work Product	Tale testing / work principles no Westfall case

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ME HUS WALLESTO		Control Charles and Charles an	Carol Rodgers; Ian M. Stewart		Work Product	Tale testing / work product re: Westfall case.
		Ita J. Dembrow	John C. O'Shaughnessy		Work Product; Common Interest Litigation Privilege	Letter regarding intention and strategy re: EASTE Utigation.
P.INJO00147	5/8/1989	Ira J. Dembrow	W.H. Ashton	To the second se	Work Product; Common Interest Litigation Privilege	Letter regarding Migation and Strategy re: EMIC Litigation.
CITATION SOLD IN	0004373	Variety Reduces.		John C. O'Shaughnessy, Howard G.		
200 COCOL 12	:	W.H. ASRION	ra 1. Deniorow	Sloane	Work Product, Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
INI KOS CROMI / 21		Bruce Semple	W.H. Ashton		Work Product	Memo / work product re: Westiall case.
INJ ROS 00001722	5/18/1989	W.H. Ashton	Ira f. Dembrow	John C. O'Shaughnessy	Work Product, Common Interest ikigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
a sameway 40	*0./** /*0.03	John M. Beidler; George E. Lee; Edward				THE RESERVE TO LEADING TO THE PROPERTY OF THE
20004	4	r. tersensperger	noger M. Miller	manufacture (CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Attorney-Clent; Work Product	Letter / attorney clent communication re: Westfall case,
F-J18260249	Marin Calman	George 5. Lee	W.H. Ashton	A COLOR OF THE COL	Work Product	Memo / work product re: Westfall case.
	æ	George E. Lee	W.H. Ashton		Work Product	Mema / work product re: Westfall case.
	7/9/1992	Allen S. Joshyn	John C. O'Shaughnessy		Work Product, Common Interest Litigation Privilege	Letter regarding Hilgation and strategy re: EA/TC Litigation
P.JM300150	9/21/1982		W.H. Ashion	The second secon	Work Product	Draft Affidavit / work product re: Westfall Case.
P-JNJ000151			Dr. Frederick D. Pooley	A A A A A A A A A A A A A A A A A A A	Work Product	Consulting Report / work product re: Westph case.
P-JM3000152		The state of the s	Dr. Frederick D. Pooley	the second secon	Work Product	Consulting Report / work product res Weetfall cake
P-JNJ000153		TO CONTRACT THE CONTRACT OF TH	Dr. Frederick D. Pooley	disconding the second of the s	Work Product	Consulting Report / work product re: Westfall case.
P-INJO00154	12/27/1988		John C. O'Shaughnessy	Robert E. Christiansen	Allores Clark Work Product	Wemo / work product re: EMTC Mission.
P-JNU000155	12/27/1988	e e e e e e e e e e e e e e e e e e e	John C. O'Shaughnessy	Robert E. Christlansen	Attorney-Clean, Work Product	Memo / work product re: EMIC Litigation.
	12/1/1982	Edward P. Leibensperger	Seorge E. Lee	John N. Beidler; Rager N. Miller	Attorney-Clent, Work Probug	Letter / attorney client communication re: Westfall case.
P-JNJC00156	11/30/1982	Q.	Edward P. Leibensperger	Mark Commission of the second second of the	Attorney Clent, Work Product	Memo / work product re: Westfall case.
INI_RCS_00002058	11/24/1982	Edward P. Leibensperger	George E, Lee	John N. Beidler; Roger N. Miller	Attorney-Clent, Work Product	Letter / attorney clent communication re: Westfall case.
P-JNJ000157	10/22/1982	George E. Lee	W.H. Ashton	The same of the sa	Work Product	Memo / work product re: Westfall case.
P-JNJ000158	9/28/1982	George E. Lee	W.H. Ashton	POP 15 NO CONTRACT AND ADDRESS OF THE POP 15 NO CONTRACT AND ADDRESS O	Work Product	Memo / work product re: Westfall case.
P-INJO00159	6/2/1982	Frank A. Boiden	William A. Curran	Donald Ferry	Work Product; Common Interest Litigation Privilege	Letter regarding illigation and strategy re; Westfall case.
P-JNJ000160	5/14/1982	Howard Johanson	Dennis J. McCarten	Donald Ferry; William H. Ashton	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: Westiali case.
P-MIC00161	5/13/1982	FIR.	Dennis J. McCarten		Work Product; Common Interest Litigation Privilege	Memo / work product re: Westfall case.
P-shidod162	and the first or a control of	Howard Johanson	Dennis J. McCarten	W.H. Ashton; D. Ferry	Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re: Westfall case.
P-JNJ000163	4/23/1982	File	Dennis J. McCarten		Work Product; Common Interest Litigation Privilege	Memo regarding litigation and strategy re: Wextfall case.
P-JN30003.64	4/20/1982	W.H. Ashton	William A. Curran	Frank A, Bolden, £5g.; Donald R. Ferry	Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re; Westfall case.
P-JR-J000165	7/22/1981	Frank A. Bolden	W.H. Ashton	G. Lee; W. Waggoner	Work Product	Memo / work product re; Westfall case,
P-JN:3000166	7/15/1981	Frank A. Bolden	W.N. Ashton	G. Lee; W. Waggoner; B. Semple	Work Product	Memo / work product re: Wessfall case.
P-IN1000157	-	Frank A. Solden	W.H. Ashton	G. Lee; D. Ferry	Work Product	Memo / work product re; Wessfall case,
P-JNJ000158		Edward P. Leibensperger	John M. Baldler		Attorney-Client, Work Product	Letter / attorney client communication re: EMTC Litigation.
P-JNJ000159	3/16/1989	tra J. Dembrow	John C. O'Shaughnessy		Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re; EMTC Litigation.
P-JNJ000170	8/5/1992		David H. Garabrant, M.D.	enter per entre communication of an additional designability designabilities of the car's 20 de	Work Product	Consulting Report / work product re: EMTE Litigation.
P-INID00171	10/11/1982	John N. Beidler	Roger N. Miller		Attorney-Client, Work Product	Letter / attorney client communication re: Westfall case.
P-JNJ000172	10/24/1983	Edward P. Leibensperger	Affred H. Chidester		Work Product	Letter from consulting expert re: Westfall case.
P-JNI000173	11/30/1982	Edward P. Leibensperger	George E. Lee		Altorney-Clent; Work Product	Letter / attorney client communication re: Westfall case,
P-JNJ000174	2	Edward P. Leibensperger	Joseph G. ekute		Attorney-Client; Work Product	Memo / work product re: Westfall case,
P-JNJ000175		Frank A. Bolden	W.H. Ashton	G. Lee; W. Waggoner; B. Sample	Work Product	Memo / work praduct re: Westfall case,
P-JNJ000176		Frank A. Bolden	W.H. Ashton	G. lee; W. Waggoner	Work Product	Memo / work product re: Westfall case.
P-INI000177		Frank A. Bolden	W.H. Ashtan	G. lee; D. Ferry	Work Product	Memo / work product re: Westfall case.
P-JNJ000178		W.H. Ashton	William A. Curran	Frank A. Bolden, Esg., Donald R., Ferry	Work Product, Common Interest Litigation Privilege	Letter regarding litigation and strategy re: Westfall Case.
P-JN1000179	4/28/1982	Howard Johanson	Dannis J. McCarten	W.H. Ashton; D. Ferry	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: Westfall case.
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KKUIGI	2/14/1982	Howard Johanson	Dennis J. McCarten	Donald Ferry; William H. Ashton	Work Product; Common Interest Utigation Privilege	Letter regarding litigation and strategy re: Westfall case.
P-INDEX182	5/13/1982	File	Dennis J. McCarten		Wark Product: Common Interest Litigation Privilege	Memo reparding illigation and strategy re: Westfall case.
P-JN4000183	6/2/1982	Frank A. Bolden	William A. Curran	Donald Ferry	Work Product: Common Interest Estation Prisilene	Potter recention litigation and craited to Mestral race
P-INSCOSSA	7/2/1982	Edward P. Leibensperger	John N. Spidler	The second secon	Strategies Same Merch Booking	
		John N. Beidler, Georga E. Lee, Edward				terrer / arterrey (were terrering ref wearing tase.
	10/11/1982	P. Leibensperger	Roger N. Miller		Attorney-Clent: Work Product	lefter faltonev fleri communication to Westial
		John N. Beidler, George E. Lee, Edward		When you is a common special and the same with the same and the same a		THE RESERVE AND THE PROPERTY AND THE PRO
P-JMJ000185	12/5/1982	P. Leibensperger	Roger N. Miller		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
P-JNJ000186	12/1/1582	Edward P. Leibensperger	Roger N. Miller		Attorney-Clean, Wark Fraguet	Letter / attorney clear communication to: Westfalt rate
		John N. Beidler, George E. Lee, Edward			the set to a wearing manner of the first transfer of the set of th	The state of the s
P-JNJ000187	12/5/1982	P. Leithensperger	Roger N. Miller		Attorney-Cleat: Work Product	Letter / assorney client communication to: Westfall race
	*	John N. Beidler, George £. Lee, Edward		the second secon	a designation of the control of the	
P-3NJCX20188	10/11/1982	P. Lelbensperger	Roger N. Miller		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
P-INJODO189	5/8/1989	Ira J. Dembrow	W.H. Ashton		Work Product; Common Interest Litigation Privilege	Letter regarding littgation and strategy re; EMTC Litigation.
INI ROS ODODZZ33	5/5/1989	W.H Achero	The state of the s	John C. O'Shaughnessy; Howard G.	THE STATE OF THE S	
P-JN1000190	15/21/1982	George E. Lee	W H Achton	The state of the s	STORY FOUNDATION THE TOTAL STREET STATES OF STATES	Levier regarding higheron and strategy re; PM1C, thigheron,
P-JNJ000191	972/19R2	The same and the same state of	Control of the state of the sta	The second secon	VACATE PLANTAL CONTRACTOR CONTRAC	CONTROL OF STREET, F. VERSIONS CARP.
			Victoria de la companya de la compan	John N. Beid'er, Joseph G. Blute: Roper	. VYDIR, FLOGISL.	Consuming report / work product re; western Gase.
P-JNJD00192	12/23/1982	George E. Lee	Edward P. Lalbensperger	N. Miller	Attorney-Client: Work Product	Letter / attorney client communication re; Westfall case.
INJ_ROS_00002242	10/13/1982	John N. Beidler	Edward P. Leibensperger	Frank A. Bolden; Roger N. Willer	Attorney-Clear Work Product	letter / afterney them communication re: Westfall race
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GUESS.	7367/776	P. Leidensperger	Roger M. Willer	THE THE PROPERTY OF THE PROPER	Attorney-Clent; Work Product	Letter / attorney client communication re: Westfall case.
INT_RUS_GRACEA	7957/97/5	John N. Beidler	Edward P. Leibensperger	Roger N. Willer	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
P-JMJ000194	AND THE PROPERTY OF THE PROPER	may definite the continued of the section of the se	The second control of the second of the seco		Attorney-Client; Work Product	Oraft Legal Documents / work product re: Westfall case.
P-INID00195	10/15/1982	John N. Beidler	Edward P. Leibensperger	Roger M. Miller	Attorney-Clent, Work Product	Letter / attorney client communication re. Westfall case.
F-JN1000196	10/14/1982	The Miles Mark Color Mark Color Associated Asociated Associated Associated Associated Associated Associated As			Work Product	Legal Document / work product re: Westfall case,
INS_ROS_00002363	11/29/1982	Edward P. Leibensporger	Joseph G. Blute		Work Product	Memo / work product re: Westfall case.
P-JN1000157	11/29/1982	Edward P. Leibensperger	loseph G. Blute		Work Product	Memo / work product re: Westfall case.
P-JN/000198	and the control of th	Edward P. Leibensperger	Margot Joly		Attorney-Clent; Work Product	Memo / work product re: Westfall case.
P-JN/3000199	6/5/1983		soknson and Johnson	As a record of the record of t	Work Product	Memo / work product re: Westfall case.
002000ULP	1/13/1983	Edward P. Leibensperger	000000000000000000000000000000000000000	John N. Beidler, Joseph G. Blute; Roger N. Miller	Afternoon And Bank Work Droding	TO SECOND TO THE SECOND THE SECON
P-JNJ000201	10/18/1982		W.H. Arhina	The second secon	SACRET DESCRIPTION	Control of the state of the sta
P-JNU000202	1/12/1983	Maryagne Bounty Costa	Friedrich Beibenstein	STATE OF THE STATE	Mary Constitution and an annual section of the sect	STATE THE TANK TO WORK AND THE TANK THE
P-JNU000203	9/28/1982		W. Denta	environmental mental mental del del del del del del del del del de	**************************************	CENTER AND CONTRACT EXPERT (E) WESTERN CAPE.
P-INJO00204	3/1/1983	Rose & Mills	Section 20 Contract C	Apply B. Daleston Management	SANSTA FARMANIA. A MARKATAN AND AND AND AND AND AND AND AND AND A	Cast Autobart / Work Droduct R: Westall case.
BU! BOS COMOTOR	2/14/1902		to the second specific to the second specific to the second secon	John N. Delines, Secriffer C. Let	MICONSEQUENCE AND A VACUA COMMISSION OF THE PROPERTY OF THE PR	Letter / Silorney tilent communication re: Westfall case.
2 00000	7, 50, 1303	JOHN R. DEBERT	soward P. Leibensperger	George E. Lee; Roger N. Miller	Attorney-Clent; Work Product	Letter / attorney client communication re: Westfall case,
r-Januaras	4/11/1983	John N. Beldfer	Edward P. Leibansparger	George E. Lee; Roger N. Miller	Attorney-Clent; Work Product	Letter / attorney client communication re: Westfalf case.
P-JNJ000206	1/25/1982	Edward P. Leibensperger	George E. Lee	John N. Beidler; Roger N. Miller	Attomey-Clent; Work Product	Letter / attorney clent communication re: Westfall case.
P-JNJ000207	1/11/1983	John N. Beidler	Edward P. Leibensperger	Joseph G. Blute; George E. Lee; Roger N. Miller	Attorney-Client: Work Product	lettes / athenav rient communication ser Westfall race
INU_RCS_00002789	1/20/1983	Edward P. Leibensperger	George E. Lee	J. N. Beidler, J. G. Blute, R.N. Miller	Attorney-Client, Work Product	Letter / attorney client communication re: Westfall case
P-INJC00208	12/23/1982	George E. Lee	Edward P. Leibensoerger	John N. Beidler, Joseph G. Blute; Roger R. Miller	Attended Stant Mork Product	Botton (200 ment of and provided in the contract of the contr
P-JNICOCIZOS	9/21/1982		W. Ashton	many and the taken about the property of the More to the first of the	Mark Brandson	Craft Addition of the best for the feet of the best of
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P-JNJ000212	1/12/1983	Dr. Frederick D. Pooley	Edward P. Leibensperger	Miles	Work Product	Letter to consulting expert re. Westfall case.
P-JNJQXIQ213				Section 18 District Section 5 Contracts	Work Product	Notes / work product re: Westfall case.
P-JNJ000214	1/11/1983	Edward P. Leibensperger	George E. Lee	R. Miller	Attorney-Client: Work Product	anitar i attenda cinami remementari es trossini
P-JNJ000215	1/11/1983	I.C. Wagner	George E, Lee	to the production and were the production and the production of th	Work Product	Server of Control Control Control of the Control of
P-JNJC00216	1/6/1983	Dr. C. J. Wagner			Work Product	Motor / work province of November 1
P-3N/000217	1/11/1983	Dr. Frederick D. Pooley	George E. Lee	Commence of the PA Ability of the Ab	Work Product	・ こうしょう はんしょう しょうしょう しょうしゅう はんしゅう はんしゅう かんしゅう かんしゅう かんしゅう かんしゅう しゅうしゅう しゅうしょう しゅうしゃ しゃくりん しゃく
P-3N/000218	1/6/1985	The second secon			Work Product	Markon (and whitehead profess and and the second
P-JNJ000219	12/13/1982	John K. Beidier	George E. Lee	A REAL PROPERTY AND A SECURE OF THE PROPERTY O	Attornay Back More Drogger	
P-JNJ000220				The second secon	Work Product	Marker / Grands resident constitutions for extendent lands. Marker / Grands recognition for the extendent for the extend
P-JNJ000221	12/13/1982	Edward P. Leibensperger	George E. Lee	John N. Beidler: Rozer M. Miller	Attorney-Clent: Work Product	A CONTROL OF THE PROPERTY AND A CONT
P-JNJ000222	12/1/1982	Edward P. Leibensperger	Roger N. Miller	John W. Berdler: George E. Lee	Attorney-Client: Work Product	South Justice of contraction of the Contraction of
P-JNJ000223	11/30/1982	Dr. Frederick D. Poolev	Edward P. Leibersperger	Cha N. Beidier George F. Loo	Water Dradies	Milario F Gello Ing Lacies Library and Company of the Company of t
P-JNJ000224	11/29/1982	John N. Beldler	Etsward P. Labensoorear	Course F too Brace N Millor	\$100 and \$10	CONTRACTOR OF THE PROPERTY OF
P-INIO00225	11/29/1987	Or Eradonick B Contou	The state of the s		OSCARIONAL WORK TOUGHT	Leikel / esterriet Cherk Comerum Tel vocation Core.
P-INEX01756	11/29/1082	A Physical and the second seco	Spirit of the second	CONTRACTOR	Work Froglat	Letter to consulting expert re. Westial case,
6.EN (COR5 27	11/10/1003		STATE OF THE STATE	tomin, being his section	STOCK FROGUEL	letter to consulting expert re: Westial case.
TANKSONEE!	11/22/1304	JOHN WEREING	toward P. Leibensperger	John N. Beidler, George E. Lee	Work Product	Letter to consulting expert re: Westfall case.
-3442-05-25	14,1/1384	Edward F. Leibensperger	George E. Les	John N. Beidler	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
	11/30/1327	boward F. Leibensperger	George E. Lee	to company) the same of the sa	Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
P-JNIKKIZZS	11/30/1982	John N. Beldler	George E. Lee	Roger N. Miller	Attorney-Clent; Work Product	Letter / attorney cleat communication re: Westfall case.
7-JNJCX0230	***************************************	The second secon	Dr. Frederick D. Pooley		Work Product	Consulting Report / work product re: Westfall case.
P-JNUC00231			Dr. Frederick D. Pooley		Work Product	Consulting Report / work product re: Westfall case,
TOTTOGO 300 HB	11 (10/100)		2	John N. Beidler; Joseph G. Blute; George		The second secon
2 4700000 COU	44/20/1304	Let. Predenta U. Popier	Edward P. Leibensperger	E. LE&	Work Product	Letter to consulting expert re. Westfall case.
The state of the state of the state of	11/10/1982	Seorge C. Lee	Edward P. Leibensperger	John N. Beidler	Attorney-Clent, Work Product	Letter / attorney clent communication re: Westfall case.
1435A5222	79677771	George C. Lee	Edward P. Leibensperger	John N. Beidler	Attorney-Client, Work Product	Letter / attorney clent communication re; Westfall tase.
F-INJU00233	11/23/1982	W.H. Ashton	George E. Les		Work Product	Memo / work product re: Westfall case.
P-3NJGGC254	11/17/1982	G801ge E. Lee	Roger R. Miller	Edward Leibesnperger, John Beidler	Attorney-Client: Work Product	Letter / attorney client communication re; Westfall case,
P-3NJ000235	11/2/1982	George E. Lee	Edward P. Leibensperger	John N. Baidler	Attornay-Clent; Work Product	Letter / attorney client communication re: Westfall case.
P-#VK00235	1/1/1965		Nutter McClennen and Fish	The state of the s	work Product	Memo / work product re: Westfall case,
1N1_KU2_UKKU25U6	11/1/1887	John M. Beitler	Edward P. Leibensperger	George E. Lee; Roger N. Willer	Attorney-Clent; Work Product	Letter / attorney client communication re: Westfall case.
P-MJ000237	11/15/1982	Edward P. Leibenspergar	George £. Lee	John N. Beidler, Roger N. Miller	Attorney-Clent; Work Product	Letter / attornsy client communication se: Westfall case.
P-JNJUSU238	11/10/1982	George E. Lee	Edward P. Leibensperger	John N. Bekdler	Attorney-Client; Work Product	Letter / attorney clent communication re; West'all case,
P-JNJ030239	11/9/1982	Edward P. Leibensperger	George E. Lee		Attorney-Client; Work Product	Letter / attorney dient communication re: Westfall case.
P-JNJ030240	11/5/1982	Edward P. Leibensperger	George E, Lee	J. Beidler, A. N. Miller	Attorney-Clent; Work Product	Letter / attorney client communication re; Westfall case.
P-JNJ000241	1/1/1977				Work Product	Notes Expert Sinder re: Westfall case.
P-JN1000242	1/1/1982	The second secon			Work Product	Notes / work product re: Westfall case,
P-JNJ000243	1/1/1967			mentions that is a confedence against each against that AdV AdV AdV AdV adVa is the December of the AdVa and AdVa account.	Work Product	Notes / work product re. Westfall case,
P-JNJ000244	11/2/1982	Dr. Frederick D. Popley	George E. Lee		Work Product	Letter to consulting expert re: Westfall case,
P-MU000245	10/28/1982	Edward P. Leibensperger	George E. Lee	John N. Beidler, Roger M. Willer	Attomey-Clent; Wark Product	Letter / attorney client communication re: Westfall case,
P-JNJ000246	1/1/1979				Work Product	Legal/Case Research / work product re. Westfall case.
P-;NJ000247	10/25/1982	I.C. Wagner	George E. Ine	CONTRACTOR OF SELECTION OF SELE	Work Product	Letter to consulting expert re: Westfall case,
P-INI000248	10/22/1982	Edward P. Leibensperger	George E. Lee	John N. Beidler, Roger N. Miller	Attorney-Clent; Work Product	Letter / attorney client communication re; Westfall case,
JN! ROS 00002830	10/22/1982	John N. Beidler	Effwart & Follocemarcae	Joseph G. Blute; George E. Lee; Roger No.		
				John N. Beidler, George E. Lee; Roger N.	ALCHENT LESS, MACHENIA	Letter / attorney then communication for vvestibil case.
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057000000	10/19/1982	Or. Frederick D. Pooley	George E. Lee	Bruce Semple	Work Product	Letter to consulting expert re: Westfall case.
P-JN3000251	10/18/1982	Edward P. Leibensperger	George E. Lee	J. Seldler, R. Miller, S. Semple J. Beidler, F. Bolden, J. Blute, B.	Attorney-Client; Work Froduct	Letter / attorney thent communication re: Westfall case.
***				Deavenport, E. Leibensperger, R. Miller,		Meeting minutes / attorney client communication re: Westlaff
F-JNR.RU(52	10/13/1982	W/A	George E, Lee	B, Semple; J. Utaski	Attorney-Client; Work Product	CASE.
F-JNJ000253	10/6/1982	Bruce Semple	John N. Beidler		Attorney-Client; Work Product	Letter / attorney cient communication re: Westfall case.
F-JNJ000254	10/1/1982	Iohn N. Beidler	Edward P. Leibensperger	Roger N. Willer	Attorney-Clear, Work Product	Letter / attorney client communication re: Westfall case.
P-JNJ000255	2861/06/6	George E. Lee	W.M. Ashlon		Work Product	Mema / work product re: Westfall case,
P-JNJ000256	9/28/1982	George E. Lee	W.M. Ashton		Work Product	Memo / work product re: Westfall case.
P-JNU000257	9/28/1982	George E. Lee	W.H. Ashton	Provide Assessment Co.	Work Product	Memo / work product re; Westial case.
P-JNJ000258	7/2/1982	Edward P. Leibensperger	John N. Beidfer		Attorney-Cleat; Work Product	Letter / actorney client communication re: Westfall case.
P-INU000259	5/14/1982	Howard Johanson	Dennis J. McCarten	Donald Ferry: William H. Ashton	Work Product: Common interest Ultration Privilege	Letter reporting literation and structure to Meeting made
P-JNJ000250	5/13/1982	e e e e e e e e e e e e e e e e e e e	Dennis J. McCarten		Work Product; Common Interest Utigation Privilege	Memo regarding litigation and strategy re: Westfall case.
P-INUD00251	4/28/1982	Howard Johanson	Dennis J. McCarten	W.H. Ashton; D. Ferry	Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re, Westfall case
P-MID00262	4/23/1982	e e	Dennis J. McCarten		Work Product; Common Interest Litigation Privilege	Memo regarding filipation and strategy re: Westfall case.
P-JNJQQQ263	4/20/1982	W.H. Ashton	William A. Curren	Frank A, Bolden; Donald R, Ferry	Work Product; Common interest Litigation Privilege	Letter regarding litterion and strategy re. Westfall case.
P-INIDD0264	7/15/1981	Frank A. Bolden	W.H. Ashton	G. Lee; W. Waggoner; B. Semple	Work Product	Memo / work product re: Westfall case.
P-/NIO00265	7/22/1981	Frank A. Bolden	W.H. Ashlon	G. Lee; W. Waggoner	Work Product	Memo / work product re: Westfall rase.
P-JNI000256	2/18/1981	Frank A. Bollfen	W.H. Ashton	G. Lee; D. Ferry	Work Product	Menso / work product re: Westfell case.
P-JN1020257	6/2/1982	Frank A. Bolden	Willam A. Curtan	D. Ferry, H. Johanson	Work Product; Common Interest Litigation Privilege	Letter regarding Migation and strategy re: Westfall case,
P-INIODOZ58	7/2/1982	Edward P. Leibensperger	John M. Beidler		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
A TO THE PERSON OF THE PERSON		John M. Seidler; George E. Lee; Edward	Johnson and Johnson	The state of the s	Attorney-Client; Work Product	Mema / work product re: Westfall case.
Abbanana and has not a new construction of	11/5/1982	P. Leibensperger	Roger N. Miller		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall case.
P-INIBW269	11/5/1982	Jonn N. Beidler, George L. Lee, Edward P. Leibeseparast	SCC Beans & BASSon	4 (4	And the second s	
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P-JN1000271	10/25/1982	P. Leibensperger	Roger N. Miller		Attorney-Client; Work Product	Letter / attorney dient communication re: Westfall case.
P-JNJ000272	10/21/1982	GROUNDE, Les	George E. Lee		Afternog-Clean; Work Product	Letter / attorney dlent communication re: Westfall case,
P-JNUD00273	10/11/1982	John W. Beiner, Beinge C. Lee, Lawers P. Leibensperger	Bosen W. Miller	*	Orthography Bloom Dention	the state of the s
NU_ROS_00002382		George E. Lee	Roger N. Miller	The second secon	Work Product	Notes, work product to Meetfall men
P-JNJ000274	7/15/1981	Frank A. Boiden	W.H. Ashton	G. Lee; W. Waggoner; 8. Semole	Work Product	Memo / work droden to Westial caco
P-JNJ000275	7/22/1981	Frank A, Boiden	W.H. Ashton	G. Lee; W. Waggoner	Work Product	Memo / work grodust re: Westall case.
P-JNJ000276	2/18/1981	Frank A. Bolden	W.H. Ashton	G, Lee; D, Ferry	Work Product	Mema / work product re; Wesstall case.
P-JNJ000277	4/20/1982	W.M. Ashlon	William A. Curran	Frank A. Bo'den; Donald R. Ferry	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: Westiali case.
P-JNJ000278	5/14/1982	Howard Johanson	Dennis J. McCarten	Donald Ferry, William H., Ashton	Work Product, Common Interest Litigation Privilege	Letter regarding liteation and stratemy re: Westfall case.
P-JMJ000279	5/13/1982	7	Dennis J. McCarten		Work Product; Common Interest Litigation Privilege	Memo regarding litigation and strategy re: Westfall case.
P-JNJ000280	6/2/1982	Frank A. Bolden	Willam A. Curran	D. Ferry, H. Johanson	Work Product; Common Interest Litigation Privilege	Letter regarding ittigation and strategy re: Westfall case.
P-1NJC00281	7/2/1982	Edward P. Leibensperger John N. Beidler: George E. Lee: Edward	John N. Beidler	10 minute Winasa (A.A. minute Vino) AAA	Attorney Clent, Work Product	Letter / attorney client communication re: Westfall case,
P-JNJOX0282	10/11/1982	P. Leibensperger	Roger N. Miller		Attorney Clear; Work Product	Letter / attorney dient communication re: Westfall case.
P-MIC00283	11/30/1982	Edward P. Leibensperger	George E. Lea		Attorney Clent; Work Product	Letter / attorney client communication re: Westfall case.
P-JNJC20284	10/11/1982	Joseph N. Belgier, Seorge E. Lee, zowara P. Leibensperger	ra Roger N. Miller		Attorney-Client; Work Product	Letter / attorney clean communication re: Westfall case.
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N. ROS 00002993		Edward P. Leibensperger	Margol Joly		Work Product		Memo Expert Binder re. Westfall case.
NJ_ROS_00002994	6/6/1983	-			Work Product		Notes Expert Binder re; Westfall case.
NI_ROS_00002995	10/25/1982				Work Product		Notes Expert Sinder re: Westfall case
NJ_ROS_00002996	1/11/1983				Work Product		Notes Expert Binder re: Westfall case
INI_ROS_00002997	5/4/1983				Work Product		Notes Expert Binder re: Westfall case,
NJ_RCS_00002398	2/18/1983				Wark Product		Notes Expert Binder re: Westfall case,
NJ_RCS_00002999	12/29/1982				Work Product		Notes Expert Binder re: Westfall case,
INI_ROS_00003000	2/3/1983				Work Product		Notes Expert Binder re: Westfall case.
MJ_ROS_00003001	3/7/1983				Work Product		Motes Expert Binder re: Westfall case.
NJ_ROS_00003002	3/4/1983				Work Product		Notes Expert Sinder re: Westfall case
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P-JN3000287	6/5/1983				Work Product		Notes Expert Binder re: Westfall case.
P-JN1000288	10/29/1982				Work Product		Notes Expert Binder re: Westfall case.
P-JNJ000289	1/11/1983				Work Product		Maise Export Binder ret Wortfall race
P-JNJ000290	2/18/1983				Work Product		Motor Expert Minder ce. Westfall race
P-JM1000291	12/20/1982	CONTROL OF THE PARTY OF THE PAR	to period the second to the se		Work Product		Mines in a report of the same
P-JNJ000292	2/3/1983		response to the species of the second of the	the second secon	Month Broutiers		Massar Crass and States and State
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P-JNIQ30295	10/29/1982				Work Product		Notes Expert Binder re: Westfall case.
P-JNJ000296	11/15/1982				Work Product		Notes Expert Binder re: Wesifall case.
P-JN1000297	3/4/1983				Work Product		Notes Expert Binder re: Wostfall case.
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P-JNJ000299	2/1/1983		AND THE REAL PROPERTY AND ADDRESS OF THE PARTY		Work Product		Mrsas Fynas Meedar co. Morting
P-JNI000300	1/1/1983				Wart Product		More Event Works on Months and
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P-JNJ000306	1/1/1975				Work Dractura	BETTER AND THE STATE OF THE STA
P-JNJ000307					thipsed 42028	ACOUNTY CONTROL OF THE CONTROL OF TH
P-INJCC0308	3/12/1991			the second secon		Medico Capatra pasturas restrictes Capatra
P-JNJC00309	The second contract of			10 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	VEOLET FOREST.	Notes Expert Binger re. Wesstall case.
P-JNU000310	The second secon				SACE FERENCE	woles expert binger re: Westall case.
P.INI000311	7/29/1957	***			Work Product	Notes Expert Binder re: Wessial case.
P. N. WWW313		****			Work Froelk.	Notes Expert Binder re: Westfall case,
p.1810/2011	27.74.000	designation of the second			Work Product	Notes Expert Binder re; Westfall case,
200000	Cact (175				Work Product	Notes Expert Binder re: Westfall case.
P-INICOSIA	1/1/1960				Work Product	Notes Expert Binder re: Westfall case,
CCC3.23					Work Product	Notes Expert Binder re; Westfall case.
P.JMJ000316	10/6/1982	and the second s			Work Product	Notes Expert Binder re: Westfall case.
P-JMIDDOBIL?	10/1/1979				Work Product	Motes famous Stadence Novettal race
P-JNJ000318	5/14/1982			and the second of the second o	Work Product	Manager Ranger Residence of Manager and Manager and Parket Ranger Ranger and Manager and Parket Ranger Rang
P-JNJOCO319	12/3/1982	a confidence of the following and the depth of the following of the control of the depth of the following of the control of the depth of the following of the control of th	median services and only a property of the services	The second secon	Work Product	Service to the property of the service of the servi
P-JNJ000320	2/28/1983	Andrewsen Marie American company of the company of	The second secon		Mor Product	Service of the servic
P-JNJ000323	1/1/1964	CONTROL TREATMENT OF CONTROL OF CONTROL OF THE STATE OF T	the second of persons and persons are second to the second of the second	The second secon	My Dair Person Services	THE STATE OF THE S
P-JNJC00322	10/6/1982	Control Andrew Andrew Andrew Control C	The second of th	The second secon	からできる スタウング	AND THE PROPERTY OF THE PROPER
P-JNJC00323	2/1/1963	Commence of the Commence of th	The second secon	A second control of the control of t	The second of th	
P-JNJC00324	10/1/1977	the second of the second secon			(Secretary)	POLICE CALCANA CALVANA
P-JNJ000325	11/1/1982	The stand relation described and make make make the stands of the stands			TAYON FEMOLOGY. THE STATE OF T	Notes exper shader tel westibe case.
P-JNJ000326	2/15/1983			We are a second many many many many many many many many	AND A STANDARD CONTRACTOR OF THE STANDARD CONTRA	TABLES TABLE OF THE PARTY OF TH
P-JMJ000327	3/17/1983	And control of the second of t	And the second of the second o	medical medical responsibility of the control of th	TORONA MARKA TANÀNA MARKAMANA MARKAMA	Notes Expert Sinder re: Westfall case.
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70350	WARRY CONTRACTOR AND	And the state of t	The state of the s		Work Product	Notes Expert Binder re: Westfall case,
F-INMOOSSI	An extension of relations to the property of the state of	The second section of the sect		- 1	Work Product	Notes Expert Blader re: Westfall case.
P-INJ006332	1/13/1983	Edward P. Leibensperger	George E. Ice	John N. Beidler, Joseph G. Bluke; Roger N. Miller	er Augmey-Clent: Work Product	Saftor (All Denoted Book examines in the Manedall case
P-JN3000333		The first of the f	WK Esbton	the formation of the state of the second of	Comment of the commen	CONTROL OF THE PROPERTY OF THE
P-JNJ000334	10/28/1982	Edward P. Leibedsperger	Garrae T. fee	Sales a social relations	Section of the Control of the Contro	Draft Alidavit / work product ret Westial zase.
260000		John Beidler; George Lee, Edward			PARAMA COLONIA SANTA FARRAMA	Celes / ettoring chem commencation for years as commencation for the commencation of t
Tanadaga Samadaga		Lenoersperger	Noget N. Willet	0.000	Attorney-Client; Work Praduct	Letter / attorney client communication re: Westfall case.
2000	2/1/1985				Work Product	Legal/Case Research / work product re: Westfall case,
r-3R2002557	· · · · · · · · · · · · · · · · · · ·		David H. Garabrant, M.D.		Work Product	Consulting Report / work product re: EMTC Unigation.
	CI	Edward P. Leibensperger	George E. Lee	John N. Beidler, Roger N. Miller	Attorney-Clent; Work Product	Letter / attorney client communication re: Westfall case,
P-JN1000338	8/5/1992		David H. Garabrant, M.D.		Work Product	Consulting Report / work product re. ENTC Literation
	10/11/1987	John N. Beidler; George E. Lee, Edward P. Jeihensnerges	A SECTION OF THE PERSON OF THE			
Andreadan and Andread Andread Angres (Andread		John N. Beidler, George E. Lee; Edward		The section of the se	AKOFFINY-CHRIS, VVOS X PEDDOCK	Letter / attorney chent communication re: Westfall case,
P-4N1000339	10/11/1982	P. Leibensparger	Roger N. Willer		Attorney-Client; Work Product	Letter / attorney client communication re: Westfall Gase.
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r-injuals40	10/11/1982	P. Leibensperger	Roger N. Miller		Attorney-Client; Work Product	Letter fattorney client communication re: Westfall case.
JNJ_ROS_00003487	10/11/1982	P. Leidensperger	Roser N. Miller		Associated the second s	State of the state
P-INJ000341	9/28/1982	George E. Lee	W.H. Ashton	William William Company of the Compa	Wark Product	Market (Lander Market For Market And Description of the Control o
P-JNX000342	9/28/1982	George E. Lee	W.H. Ashton	And the American was a substitute and the substitute of the substi	Want Broders	School to the second to the se
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P-JNJ000344	10/11/1982	P. Leibensparger	Roger N. Miller		Altorney-Client; Work Product	Letter / attorney client consmunication re: Westfall case.
P.JNJ006345		And the second statement of the second statement of the second se	Dr. Frederick D. Pooley	The second secon	Work Product	Consulting Report / work product re: Westfall case.
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P.JNJ000347			The second secon	The second secon	Work Product	Notes / work product re: EMTC Litigation,
P.NI000348		, market 1 m	a construction of the cons	Section 1. The Control of the Contro	Work Product	Notes / work product re: EMTC Litigation.
P-JNJQ03349	The second of th	John C. O'Shaughnessy	Suffivan, Michael D	Allen S. Joslyn	Work Product, Common Interest Utigation Privilege	Letter regarding Higadon and strategy re: EMTC Uligation.
P.JNJ000350	7	Affen S. Jostyn	John C. O'Shaughnessy	is account for an extension of these assumptions of the County County of the Continues of t	Work Product; Common Interest Litigation Privilege	Letter regarding fitigation and strategy re: EMTC Litigation.
P-JNU000351		The same of the sa	John C. O'Shaughnessy	The second secon	War Product	Notes / work product re: ENTC Linguism.
P.JNJ000352	- Make	Roger N. Miller	John C. O'Shaughnessy	and a second control of the second se	Attorney-Clent; Work Product	Letter / attorney client communication re: EMTC Litigation.
P-INJ000353	The state of the s	71e	John C. O'Shaughnessy	Robert E. Christiansen	Attorney-Client; Work Product	Memo / work product re: EMTC Litigation.
2-JNU000354		John C. O'Shaughnessy	Ngai, Elaine	Sarner, Eric S	Work Product; Common Interest Litigation Privilege	Letter regarding lisigation and strategy re; EMTC Lisigation.
P-JNJ000355	-	Hoffman, Dale	John C. O'Shaughnessy		Work Product; Common Interest Litigation Privilege	Letter regarding lifeation and strategy re; EMTC Litigation.
P.JNJQQQ356		John C. O'Shaughnessy	Neai, Elaine	Sarner, Eric S	Work Product; Common interest Litigation Privilege	Letter regarding littgation and strategy re: EMTC Littgation.
P-JNU000357	-	John C. D'Shaughnessy	Zeszułek, C		Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
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7-3NUOUU338	F.	Monneux, FB; Semple, B	John C. U'Shaughnessy	and the second of the second s	Altomov-Cashi, vvors Product	Lerrer / arrorsey chent communication ler ewill errore.
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P-JNJC00361		Frazza, GS; Guynes, Si	John C. O'Shaughnessy	Fred B. Molineux	Attorney-Client; Work Product	Letter / attorney dient communication re: EMTC Lingation.
P-JNU000362		John C. O'Shaughnessy	Samer, Eric S	L. Fliegef; H. Skane	Work Product; Common interest Litigation Privilege	Letter regarding Higailon and strategy re: EMTC Litigation.
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P-JNJ000364			Join C. O'Shaughnessy		Work Product	Notes / work product re: ENSTC Utigation.
P-JNJC00365		Fliegel, Lester	John C. O'Shaughnessy		Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-JNJ000356		Fliegel, Lester	John C. O'Shaughnessy		Work Product; Common Interest Litigation Privilege	Letter regarding illigation and stratogy re: EAATC Litigation.
P-JNJ000367		John C. O'Shaughnessy	Fliegel, lester	Samer, Eric S	Work Product, Common interest Utigation Privilege	Letter regarding Higation and strategy re: EMIC Litigation.
P-JN/300368			Johnson and Johnson; Engelhard Carp,		Work Product; Common Interest Litigation Privilege	Tolling Agreement re: EMTC Ungation.
P-JNJD00369			John C. O'Shaughnessy	The state of the s	Work Product	Notes / work product re: ENTC Litigation.
P-JNJ000370	Section 19 to 19 t	Sarrer, Eric 3	John C. O'Shaughnessy	en e	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re. EASTC Litigation.
P-JN1000371			Johnson and Johnson, Engelhard Corp.		Work Product; Common Interest Liteation Privilege	Tolling Agreement ret EMTC Utigation.
P-JN1000372	,	John C. O'Staughnessy	Samer, Eric S	Howard G. Stoane	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-JN1000373			Johnson and Johnson; Engelhard Corp.		Work Product; Common Interest Utigation Privilege	Tolling Agreement res EMIC Litigation.
P-JMJ000374	AND THE PROPERTY OF THE PROPER	John C. O'Shaughnessy	Howard G. Stoane	A CONTRACTOR OF THE CONTRACTOR	Work Product; Common Interest Lingation Privilege	Letter regarding litigation and strategy re: EASTC Litigation,
P-JN1000375	The state of the s	Sloane; Sarner	Edward J. Cook	A CONTRACTOR OF THE CONTRACTOR	Work Product; Canunan Interest Litigation Privilege	Memo regarding litigation and strategy re; EMTC Litigation.
P.JNJ000375			Cahill Gordon and Reindel	A Constant	Work Product; Common Interest Litigation Privilege	Memo regarding litigation and strategy re: EMTC Litigation.
P-JNJ000377			Catili Gordon and Reindel	A STATE OF THE STA	Work Product; Common Interest Litigation Privilege	Memo regarding Higation and strategy re: EMTC LHigation.
P-JNJC00378			John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Ultigation.
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P-JNJ000380	2	Bruce Semple	W.H. Ashlon	John C. O'Shaughnessy	Attorney-Client; Work Product	Mamo / work product re: EMTC Litigation.
P-INJODO381	Assistance and according people year group or operate graph assess of money of	Commission of the Commission o			Work Product	(egai/Case Research / work product re: EMTC Litigation.
P-JNJ000382			John C. O'Shaughnessy	The second secon	Work Product	Notes / wark product re: ENTC Litigation.
P-JNJOOG383		John C. O'Shaughnessy	Eric S. Sarner	1. Dembrow; L. Fliegel; H. Sloane	Work Product; Common interest Likigation Privilege	Letter regarding litigation and strategy re: ENTC Litigation.
P-JNJ000384		Howard G. Sloane	fra J. Dembrow; Eric S. Samer		Work Product; Common Interest Ligation Privilege	Memo regarding litigation and strategy re: EMTC Litigation,
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	Iohn C. O'Shaughnessy	Ira J. Dembrow	Ashton, Bill	Work Product; Common interest Utigation Privilege	Letter regarding higation and strategy re. EMTC Litigation.
		W.H. Ashton		Work Product; Common interest Utigation Privilege	Draft Alfidavit / work product re: £MTC Lingation,
	Ira J. Dembrow	John C. O'Shaughnessy		Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
	Christiansen, Robert	Johnson, Steven D		Work Product; Common interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Utigation.
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P-INIQUED9	Christiansen, Robert E	Fred B. Mclingux	John C. O'Shaughnessy	Attorney-Clent; Work Product	Latter / attorney client communication re. EMTC Litigation.
Etto	John C. O'Shaughnessy	Fred B. Mollneux		Attorney-Clent; Work Product	Memo / work product re: EMTC Littgation.
Fred	Fred B. Molineux	Genevieve Murphy		Work Product; Common Interest Eligation Privilege	Letter regarding litigation and strategy re: EMTC Litigation,
P-INJOUDATO Rober	Robert E. Christiansen	fred B. Molineux	John C. O'Shaughnessy	Attorney-Clent; Work Product	Memo / work product re; EMTC Litization.
P-INICODA11	Samer, Eric S	John C. O'Shaughnessy	Sloane, Howard G; Dembrow, Ira J	Work Product; Common Interest Utigation Privilege	Letter regarding liligation and strategy re: EMTC Litigation.
	John C. O'Shaughnessy	Fred B. Molinbux	A CANADA	Attorney-Client; Work Product	Letter / attorney client communication re; EMTC Litigation.
P-INJCOD413	John C. O'Shaughnessy	ra 1. Dembrow	Howard G. Stoane	Work Product, Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation,
P-INICOCA14	ira J. Dembrow	John C. O'Shaughnessy		Work Product; Common interest Litigation Privilege	Letter regarding Higation and strategy re: EMTC Litigation.
P-INICHOETS		Johnson and Johnson; Engelhard Corp.		Work Product: Common Interest Litization Privilege	Tolling Agreement re: EMTC Litization.
P-3NIO00416	fra J. Dembrow	John C. O'Shaughnessy	maken man company of the second secon	Work Product: Common interest Litization Privilege	Letter regarding literation and strategy res EMIC Literation.
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P-INICIDATS	John C. O'Shaughnessy			Work Product; Common Interest Utigation Privilege	Notes regarding litigation and strategy re: ENTC Litigation.
P-INJORDA 1.9	John C. O'Shaughnessy	Ira J. Dembrow	Howard G. Stoane	Work Product, Common interest Utigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-JNJ000420		Johnson and Johnson; Engelhard Corp; Cahill Gordon and Reindel		Work Product	Draft Tolking Agreement / work product re: EAATC Litigation,
P-INIXXX421	RS	icha C. O'Sharehnessy	Christiansen, RE; Egan, WC; Frazza, GS; Utaski, IR: General Law Files	S Attorney-Client: Work Product	Letter / attorney client communication re: EMTC Litteration.
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		securities of Johnson Engelhard Corp.	Corp.	PRIVILEGE ASSERTED	PHIVILEGE DESCRIPTION
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P-B1000424	W.H. Ashton	Tra J. Dembrow	Sidane	Work Product; Common interest Litigation Privilege	letter regarding litteration and strategy as FAATC trians on
P-INIOCO025		W.H. Ashton		Work Product: Common interest ittigation privilege	Rest Distriction / work consists to Date Consists
P-JNJ0C0426	John C. O'Shaughnessy	Ira 1. Denabrow	Stange Howard & Samor Frir S	Wark Brown Common interset 185 as the Danie	
P-JNJ000427	The second secon	W. H. Achion		Section of the sectio	Letter regarding attgation and strategy re; EMAC Lingation.
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P-JNJD00428	John C. O'Shaughnessy	Joseph G. Blute	File	Attorney-Client: Work Product	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
P-JNI000429	Sales of the sales	John C. O'Shaughnessy	Robert E. Christlansen	Attorney-Clent, Work Product	Meno / warney went additional to the Methal race
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143434350	John C. O'Shaughnessy	George Core		Work Product; Common interest Ukigation Privilege	Letter regarding listation and strategy re; English interior
P-IN/000431	රිකරාලුද ලිගැල	Elles Anderson	A CONTRACTOR OF THE CONTRACTOR	Work Product; Common Interest Lifegation Privilege	Memo regarding litterston and cirategues flatif i tringion
P-INIODO432	Genevieve Murphy	Frad B. Molineux	J. C. O'Shaugnessy; R. A. Zimmer	Work Product: Common Interest Utigation Privilege	initiar reparting litterion and strategy to \$100.
P-JNJQQQ433	John B. Afrens,	Fred 8. Molingux	J. C. O'Shaugnessy; R. A. Zimmer	Work Product: Common Interest Utilization Privilege	Latter recording Security and Graphage of Bafff Security
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C INTOCOCCUS		John C. O'Shaughnessy	Files	Attorney-Client; Work Product	Memo / work product re: EMTC Uligation,
1220453	Seider, IN; Zimmer, RA	John C. O'Shaughnessy	Fine, RS; General Law Files	Attorney-Client; Work Product	Memo / work product re: EMTC Litigation,
F-3NJU&20430	John C. O'Shaughnessy	Mewman, Craig A	John C. O'Shaughnessy	Work Fraduct; Common Interest Litigation Privilege	Letter regarding litigation and strategy re; EMTC Litigation.
P-1NJ000437	Eschisen, EE	Howard G. Stoane	O'Shaughnessy, John C: Clare, David B	Work Product: Common Interest (High Privilege	Soft of the Commission Strict
P-INJ000438	Zimmer, RA	Fred B. Molineux	John C. O'Shaughnessy	Allorand Clant Work Franker	March 1 alone readont as a second to the second of the sec
P-JNJ000439	Zimmer, RA	Fred B. Molineux	John C. O'Shaughnessy	Allone-Clant Work Fracture	Morrow Carlot monday for the control of
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P-IN1000443	John C. O'Shaughnessy	Sullivan, Jacqueling A	File, CG	Attorney-Clear: Work Product	TORKER / Withhelm Pilotty Company with the Company of the Company
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P-JNJQQQ43	John C. O'Shaughnessy	Fred B. Molmeux	S. S	Association (Month West Continued to the	Engel Case Mandeller / Work product re: Englished.
P-3N/000445	Fred S. Molineux	Intra C O'Charathaecu		Statement Palents, seeking product.	Letter / altorney deent communication re. Emil Littgation.
P-3NJ000447	Catal Cordon and Reinder	Terrette Double Double	A CAME AND ADDRESS OF THE PROPERTY OF THE PROP	Alloney-Lient Work Froguct	Letter / attorney clear communication re: EMTC Utigation,
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P-JWILWASI	A.W. Klodis	Cook, Kenneth A		Work Product, Common Interest Litigation Privilege	Letter regarding lingation and strategy re: ENTC Lingation
P-JM(000452	Georgiou, Cira	John C. O'Shaughnessy		Work Product	Email / work product re; EMTC littration.
P-JNJ000453	John C. O'Shaughnessy	Flieged, Loster	A Commence of the commence of	Work Product, Common interest Litigation Privilege	Letter recording Migation and strategy po FASTC litization
P-JN1000454	Filegel, Lester	John C. O'Shaughnessy	. Fred B. Moliteux	Work Product: Common interest Litterston Privilese	pitter spounding Standard and established the transfer
P-JMJ000455	Engelhard Corp.	Johnson and Johnson	THE STATE OF THE S	Work Product: Common interest Litieation Printlege	EXTRACTORUSTICA SELECTION OF CONTRACTOR OF CONTRACTOR CONTRACTOR SELECTION OF CONTRACTOR OF CONTRACT
P-JNJ000456	Engelhard Corp.	Johnson and Johnson		Work Product: Common interest Littersion Priviless	The state of the s
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P-JMJ000458	Fliegel, Lester	John C. O'Shaughnessy	The second of th	Work Product; Common interest Litigation Privilege	Letter resarding Higgston and strategy re-Elettering
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F-14/11/14/203	Carl Patchke	Klokis, AW	John; Pelser, Joseph; DeCapua, Nick	Work Product; Common interest Lingation Privilege	Letter regarding ittigation and strategy re: EMTC Litigation.
P-INJ300464	John C. O'Shaughnessy	Howard G. Sloane		Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-JNJ000465	Howard G. Stoane	John C. O'Shaughnessy	Lester Filegel	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-INICOA66	John C. O'Shaughnessy	Sullivan, Mikhael O	L. Fliegel; H. Stane	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-JNJ000467	George S, Frazza	John C. O'Shaughnessy	Christiansen, RE; Deyo, RC	Attorney-Clent, Work Product	Memo / work product ner EMTC (Nigation.
INJ_ROS_COD03599	Shaughnessy, John O	Howard G. Sloane		Work Product; Common Interest Litigation Privilege	Letter regarding fittgation and strategy re; EMTC Littgation.
P-JNJC000468	John C. O'Shaughnessy	Howard G. Sloane		Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-1N1300469	John C. O'Shaughnessy	Sullivan, Michael D	L. Riegel; H. Stoane	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMIC Litigation.
P-JNJ000470	John C. D'Shaughnessy	Howard G. Sloane		Work Product: Common Interest Litigation Privilege	Letter regarding itspation and strategy re: EMTC Literation.
P-3N,000471	We have been a construction of the constructio	Allen S. Joshyn		Work Product: Common interest Litteation Privilege	Menn regarding Highing and traket to Fall Highing
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P-M33474	John C. O'Shaughnessy	Howard G. Sloane	Wilderson (1900) William States Office Control	Work Product; Common Interest Litigation Privilege	Letter regarding itigation and strategy re: EMTC Litigation.
P-3NJ000475	John C. O'Shaughnessy	Howard G. Sloane	And Agency	Work Product; Common interest Leigation Privilege	Letter regarding itigation and strategy re: EMTC Lingation.
	Sidene, Howard L.; Mandel, Bruce P.; Massetti, Regina M.; Dietz, OR; Powell, Donald A.; Studly, William F.; Kopp,				
P-3NJ000476	Ronald 5	Martiliotta, Samuel R		Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-3NJ000477		John C. O'Shaughmessy		Work Product	Notes / work product re: ENTC Lingation.
P-JNJ000478	Shaughnessy, John O	Howard G. Stoane	THE THEORY OF THE THE THE TRANSPORT OF THE THEORY OF THE TRANSPORT OF THE	Work Product: Common Interest Litterston Privilege	Letter reparding fittersing and strategy to EMIC Blooking
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F-RUGO0479	Sruith, AR.	Martilotta, Samuel R	H, William; Mandel, Bruce P; Sicane, Howard G; Massetti, Regina M; Scully, William F; Carter, Michael D; Horkemann, Henry A; Powell, Donald A; Kopp, Ronald S; Fox, Throthy M; Barthouse, James W	Work Product; Common Interest Litigation Privilege	Letter regarding liégailen and Strategy re; EMTE Uitgation.
P-INICOC480	Smith, AR; Nace, RB	Mandel, Stuce P	The second is not the second s	Work Product; Common Interest Litigation Privilege	Letter regarding italgation and strategy re: EMTC Litigation.
P. MUCODAB1	Mandel, Bruce P; Massetti, Regina M; Carter, Michael D; Powell, Donald A; Fox, Timothy M; Sloane, Howard A; Scully, William F; Hentemann, Henry A; Kopp, Ropald S; Bernhause, James W	Marillotta, Samuel R	Wirror, William H	Work Product: Common interest Litization Privilege	Letter resordine ilisanton and strateev re- FAATC litteation.
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P-JN1003483	Flegel, Lester	John C. O'Shaughnessy	Fred B. Mollingux	Work Product: Common Interest Litigation Privilege	Latter regarding literation and strategy to their Latter the contraction.
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P-3NIC00491	John C. O'Shaughnessy	Fliegel, Lester	Howard G. Stoane	Work Product, Common Interest Lingation Privilege	Letter regarding litigation and strategy re; EMTC Litigation.
P-3NUC00492				Work Product; Common Interest Litigation Privilege	Notes regarding litigation and strategy re: EMTC Litigation.

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		Stoane, Howard G; Mandel, Bruce P; Massetti, Regina M; Scuffy, William F; Kopp, Ronald S; Powel; Donald A;				
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P-JN2000497		John C. O'Shauginnessy	Howard G. Sloane	Lester Fliegei	Work Product; Common interest Utigation Privilege	Letter regarding littleation and strategy re; EMTC Littleation.
		Sloane, Howard G; Mandel, Bruce P; Massetti, Regina M; Scully, William F; Kopp, Ronald S; Powell, Donald A;				
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		Stoane, Howard G; Mandel, Bruce P; Massettl, Regina M; Hentemann, Henry		Mollan Francis - (Joseph John College		
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P-INI000514		Bruce Semple	John C. O'Shaughnessy		Allarney-Client; Work Product	Letter / attempt chent communication re: EMIC intradion.
P.JNI000515		Christiansen, RE; Deyo, RC; Frazza, GS	John C. O'Shaughnessy		Attorney-Client: Work Product	1 003 00 p 2 200 00 00 00 00 00 00 00 00 00 00 00
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P-JNJQ00533		Howard G. Sloane	John C. O'Shaughnessy	The state of the s	Work Product; Common interest Lingation Privilege	Letter regarding Higgation and strategy re: EMTC Litigation.
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P-JN1000535		Court of Common Pleas Summit County Roger N. Miller	y Roger N. Willer		Work Product; Common Interest Utigation Privilege	Legal Document / work product re: EMITC Litigation.
P-JNJ000536	The second desired production of the second	Lester Filegel; John C. O'Shaughnessy	Howard G. Stoane		Work Product, Common interest Litigation Privilege	Letter regarding Hitgation and strategy re: EMTC Litigation.
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P-JNJ000545		John C. O'Shaughnessy	Sarner, Eric S	Howard G. Sloane	Work Product; Common Interest Lingalion Privilege	Letter regarding htigation and strategy re: EMTC Utigation.
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P-JNJ000548		rie	John C. O'Shaughnessy		Attorney-Clear, Work Product	Memo / work product re: EMTC Origation.
P-JNJ000549			John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Littgation.
P-JNJ000550	The second secon				Work Product	Notes / work product recEMTC inigation.
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P-JNJ000557			Cahiil Gordon and Reindel		Work Product; Common interest Litigation Privilege	Memo regarding litigation and strategy re: EMTC Litigation.
P-JNJ000558			John C. D'Shaughnessy		Work Product	Notes / work product re: ENTC Littlation.
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P-3NJQ00581		John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Littation.
7-3NJG00582		John C. O'Shaughnessy		Work Product	Mates / work product re: EMTC Littation.
P-JNJ000583	The state of the s	John C. O'Shaughnessy		Work Product	Motes / work product re; EMTC Litteation.
P-JM1000584		John C. O'Shaughnessy		Work Product	Notes / Work product re-EAST Littration.
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P-JNU000741 P-JNU000742	Kopp, Ronald S	Klusendorf, James R. Dingen, Thomas	Work Product; Common Interest Litigation Privilege	Lotter regarding Hilgation and strategy re. EMTC Litigation.
P-INDC03742			Work Product	Case Status Updates / work product re: EMTC Utigation.
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P-INJODG743			Work Product	Case Status Updates / work product re: EMTC Ultigation.
		Dineen, Thomas V; Joyce, Robert H;		
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P-INJO20745	a design and the second section of the second distributes assessed to		Work Product	Notes / work product re: EMTC Lingation.
P-1000246			Work Product	Notes / work product re: ENTC Lingation.
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P-M000748			Work Product	legal/Case Research / work product re: EMITC Litigation.
P-MICTOTA9			Work Product	Notes / work product re: EMTC Lingation.
	John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Litigation.
P-INIO30751 John C. O'Shavglinessy	Dr. Frederick D. Pooley		Work Product	Letter from consulting expert re: EINTC Lingation.
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P-JNX000766	Walter CMcCrone Associates	Roger N. Miller	CONTRACTOR OF THE CONTRACTOR O	Work Product	Talc testing / work product re: Westfall case.
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r-skullulu/29.5	Koger M. Willer	McCabe, Valerie T	Blute, JG; O'Shaughnessy, JC; File	Attomay-Client; Work Product	Letter / attorney client communication re: EMTC Litigation.
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F-3N4030 (93)	- Quinquis coming process manufacturables. An	John C. O'Shaughnessy	***************************************	Work Product	Notes / work product ret EMTC Litigation,
F-INJUGUE/SD		John C. D'Shaughnessy		Work Product	Notes / work product re: EMTC Utigation.
P-#W3000057	The second secon			Work Product	Legal/Case Research / work product re: Westfall case.
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P-JNJ000799	The state of the s	John C. O'Shaughnessy		Work Product	Moses / work programmer to East I Manage
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INJ ROS 00005479	W.H. Ashlon	ira I. Dembrow	Sloane	Work Product: Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-JNEOCO804	The state of the countries of the Parish of Marie 1900 is a supplementation of Marie 1900 in the supplementation of the supplementation o	John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Litigation.
P-JN40C0805	en der der den en e	John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Litigation.
P.1N1000806	The second secon	John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Unigation.
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P.JNJD00809	2	John C. O'Shaughnersy	Robert E. Christiansen	Attorney-Clent, Work Product.	Mema / work product re: EMTC Ungation,
P-INITODE10	tra J. Demorow	John C. O'Shaughnessy		Work Products Common Interest Litigation Privilege	Letter regarding litigation and strategy re; EMIC Litigation.
P-INIDDOR11	TO TO THE WAR MA AND MANAGEMENT OF THE PARTY OF THE PROPERTY OF THE PARTY OF THE PA	Dr. Frederick D. Pooley		Work Product	Consuiting Report / work product re: Westfall case.
P-INICO0812	e e	John C. O'Shaughnessy	Robert E. Christiansen	Attorney-Clent, Work Product	Mema / work product re: Westfall case.
P-INU000813	en de de la companya			Work Product	Notes / work product re: EMTC Lingation.
P-INJOOG14	Control and the control and th	John C. O'Shaughnessy		Wark Product	Notes / work product re: EMTC Litigation.
P-JNJ000815	The second of th	John C. O'Shaughnessy		Work Product	Notes / work product re: ENTC Litigation.
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P-INIO00818	The state of the s	John C. O'Shaughnessy	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Work Product	Notes / work product re: EMTC Litigation.
P-JN1000819	The control of the co	John C. O'Shaughnessy	Transmission on the service of the s	Work Product	Notes / work product re: ENTC Utigation.
P-INJ000820		200	en e	Work Product	Legal/Case Research / work product re: EMITC Lingation.
P.JNJ000621	and the second s	John C. O'Shaughnessy		Work Product	Motes / work product re: EMTC Utigation.
P-IN1000822		John C. D'Shaughne, ssy		Work Product	Notes / work product re: EMTC Litigation.
P-JN1000623	John C. O'Shaughnessy	Wehner, Alfred P		Work Product	Letter from consulting expert re: EMTC Lingation.
P-INJ000524	Doolan, Barry L	John C. O'Shaughnessy	Williams, Gene	Attorney-Clent; Work Product	Letter regarding litigation and strategy re: EASTC Litigation.
P-JNJ000525	and the second s	John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Utigation.
P-JNJ000826	agentagen in the control of the cont	John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Littgetion.
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P-JNJ000528		John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Litigation.
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P-INICO0531	100 Met 1400 met 1500	John C. O'Shaughnessy		Work Product	Notes / work graduct re: EMTC Litigation.
P-INJ000832	April 10 to	John C. O'Shaughnessy		Work Product	Makes / work product re: EMTC Litigation.
P-JNJQ00833	(A)	John C. O'Shaughnessy		Work Product	Notes / work product re: EMITC Litigation.
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P-JNJQ00835		John C. O'Shaughnessy	Christlansen, RE; Fine, RS; Molineux, FB	ux, FB Attorney-Client; Work Product	Memo / work product re: ENTC Litigation.
P-1NJ000836	Allen S. Joslyn	John C. O'Shaughnessy		Work Product; Common Interest L'Ygation Privilege	Letter regarding litigation and strategy re; EATC Litigation.
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P-INICADEA/	and the state of t	John C. O'Shaughnessy		Work Product		Notes / work product re: EA/TC Litigation.
P-3N(000848	John C. O'Shaughnessy	Donato, Susan, Zeszutek, CJ		Work Product; Com	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P.JN/000849	The state of the s	John C. O'Shaughnessy		Work Product		Notes / work product ret EMTC Litigation.
P-JN/000850	John C. O'Shaughnessy	Deyo, Russel C	:	Attorney-Clent; Work Product	ork Product	Memo / work product re: EMTC Ungation.
P-JNJCCOBS1	to be considered to the defined SCAMP (TEMS) in the New York of the second contract of the Normality of	John C. D'Shaughnessy		Work Product		Notes / work product re: EMTC Utigation.
P-JN1000852		John C. O'Shaughnessy		Work Product		Notes / work product rec EMTC Ungation.
P-JN1000853		John C. O'Shaughnessy		Work Product		Notes / work product re: EMIC litization.
P-JNJ000854	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	John C. O'Shaughnessy		Work Product		Notes / work product ret EMTC thigation.
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P-JNJ000856		John C. O'Shaughnessy		Work Product	The same of the sa	Notes / work product ref EMTC Literation.
P-JNJ000857		John C. O'Shaughnessy	the second of the second secon	Work Product		Notes / work product re; EMTC Litieztion.
P-JNJ000858		John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
P-JNJ000859		John C. O'Shaughnessy		Work Product		Notes / work product re; SMTC littation.
P-JNJ000860		John C. O'Shaughnessy		Work Product		Motes / work product re: EMTC literation.
P-JNJ000861		John C. O'Shaughnessy	Control of the Contro	Work Product		Notes / work product res SMIC streation.
P-INJC00862	The state of the s	John C. O'Shaughnessy		Work Product		Notes / work product re: SMTC Unigation,
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P-INJC00866	10.00	John C. O'Shaughnessy		Work Product		Notes / work product re; EMTC Litigation,
P-JNJC00867	Hamana and a state of the state	John C. O'Shaughnessy	the state of the state of the body teachers and the state of the state	Work Product		Notes / work product re: ENATC Litigation.
P-INICCO868	THE RESERVE OF THE PROPERTY OF	John C. O'Shaughnessy		Work Product	The second of th	Notes / work product re: EMTC Litigation,
P-JNUCODB69	George S. Frazza	John C. O'Shaughnessy	Christiansen, RE; Deyo, RC	Attorney-Client; Work Product	ark Product	Memo / work product re: EMTC Unigation.
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7-3000XXB12	the state of the s			Work Product		Legal/Case Research / work product re. EASTC Utigation.
P-JNJ000873	John C. O'Shaughnessy	Scott Martin		Work Product; Com	Work Product; Common Interest Litigation Privilege	Letter regarding litigation and strategy re: EMTC Litigation.
P-WKKX8/4	John C. O'Shaughnessy	Martin, Scott	L. Fliegel; H. Sloane	Work Product; Com	Work Produtt, Common Interest Litigation Privilege	teller regarding litigation and strategy re: EMTC Litigation,
P-JNJ000875	The Control of the Co	John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
P-IN1000876	e en en 1985 de la mental de la company de la company en			Work Product		Notes / work product re: EMTC Litigation.
PJNJ000877	THE THE SECTION OF TH			Work Product		Notes / work product re: EMTC Utigation.
P-JN1000878	The second secon	John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
P-JNJ000879		John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
P-JN1000880		John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
P-JNJ000881		John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
P-MJ000882		John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
P-JNJ000883		John C. O'Shaughnessy		Work Product		Notes / work product re: EMTC Litigation.
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		Ross v. BASF Catalysi	ts, LLC, et al., Docket No.MID-L-0582-17.	AS - Privilege Log	Ross v. BA5F Catalysts, LLC, et al., Docket No.MID-L-0582-17AS - Privilege Log of Johnson and Johnson Consumer Products, Inc. (July 2017)	inc. (July 2017)
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INIODEBBS			John C. O'Shaughmessy		Work Product	Notes / work product re: EMTC Litigation.
JNJ000885			Dr. Frederick D. Pooley		Work Product	Consulting Report / work product re: Westfall case.
NJOCO887			Dr. Frederick D. Pooley		Work Product	Consulting Report / work product re: Westfall case.
MUCCUSSE				-	Work Product	Notes / work product re: EMTC Inigation.
1N1000889			John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Litigation.
JN1000830	. **	John C. O'Shaughnessy	Dr. Frederick D. Pooley		Work Product	Letter from consulting expert re: ENTC Uligation.
INDC0891	•	Allen S. Jostyn	John C. O'Shaughnessy		Work Product; Common Interest Litigation Privilege	Letter regarding Migation and strategy re: EMTC Litigation.
IN1000892			John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Litigation,
MUD00893			John C. O'Shaughnessy		Work Product	Moles / work product re: EMTC Litigation,
IN1000894			Dr. Frederick D. Pooley		Work Product	Consulting Report / work product re: Westfall case.
JN1000895		Dr. Frederick D. Pooley	John C. O'Shaughnessy		Work Product	Letter to consulting expert re: EMTC Litigation.
			John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Litigation.
114,000697			John C. O'Shaughnessy		Work Product	Notes / work product re: EMTC Lingation,

Exhibit 208

CAHILL GORDON & REINDEL

EIGHTY PINE STREET

NEW YORK, N.Y. 10005

PLOYO ABRAMS
ROGER ANDRUS
MICHAEL A. BECKER
MENRY G. BIGAIER
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HUGH P, MORRISON, JR. "
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ROY L. REIONOLD
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May 17, 1989

Samuel Estreicher Richard A. Mamfood, D.C. ** Michael S. Backheim John J. Stanton, Jr. Coursels

FREDDY OREBEEN ***

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⁴ ADMITTED & C. CHLY

¹⁴ ALSO ADMITTED ENCLAND AND JAMAICA

¹⁴ ADMITTED PRANCE CHLY

TRUEPHONE 212-701-3000 WRITER'S DIRECT NUMBER

(212) 701-3648

Re: Tireworkers' Asbestos Litigation

Dear Mr. Schwartz:

I write this letter as counsel for Engelhard Corporation and its former wholly-owned subsidiary, Eastern Magnesia Talc Co. ("EmTal") which currently are defendants in 28 lawsuits that your firm has brought in the Eastern District of Pennsylvania and in Montgomery County Court on behalf of former tireworkers at the B.F. Goodrich plant in Oaks, Pennsylvania.

This letter is the continuation of a process that began last August at the Montgomery County Courthouse when Vicky Komarnicki, Engelhard's local counsel, and two colleagues of mine, Craig Newman and Eric Sarner, spoke to you about the possibility of your voluntarily dismissing Engelhard and EmTal from the tireworkers' actions on the ground that the talc manufactured by EmTal did not contain any asbestos. You indicated that you would consider doing so if Engelhard would provide you with the location of its talc mines and if your expert then determined that they were not in a region in which asbestos-containing talc was found.

By letter of September 22, 1988, Vicky Komarnicki provided you with an affidavit of Charles D. Carter, Engelhard's Director of Joint Ventures and Resources, stating that Engelhard's only talc mine was located in Johnson, Vermont and that Engelhard produced talc from that mine from 1967, when it acquired the mine, through 1983, when the mine was closed for economic reasons. (A copy of the Carter affidavit is attached for your convenience.) There were then several telephone conversations between you and Ms. Komarnicki in regard to this matter, as reflected in her letters to you of October 18 and November 10, 1988, as well as a discussion in



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Pottstown among you, Ms. Komarnicki and Eric Sarner on November 16, 1988, as reflected in a letter to you of November 21, 1988. Subsequently, you advised Messrs. Newman and Sarner that you no longer had available an expert in this field. You indicated, however, that you would be receptive to Engelhard pursuing this matter with its own expert. Engelhard has now done so.

Enclosed is an affidavit by William H. Ashton who has been involved in investigating and studying the talc industry and talc technology for over thirty-five years. In his affidavit, Mr. Ashton summarizes a number of reports, studies and analyses, from the 1940s through the 1980s, of the talc produced at the Johnson, Vermont talc mine that was owned and operated by EmTal from 1967 through 1983. The unequivocal conclusion, reached by all of these investigations, as set forth in Mr. Ashton's affidavit, is that talc from the Johnson, Vermont mine, which was Engelhard's only talc mine, did not contain asbestos. Included among the various studies and reports discussed by Mr. Ashton are two separate 1982 analyses of the talc from the Johnson mine, both of which concluded, based on, respectively, (i) scanning electron microscopy and energy dispersive spectroscopy, and (ii) x-ray diffraction analysis and analytical transmission electron microscopy, that no asbestos was present. (See para. 7 of the Ashton affidavit)

I would urge that after you review this affidavit, you will agree to voluntarily dismiss Engelhard and EmTal from the Goodrich tireworkers' lawsuits. If you should have any questions, please feel free to contact me.

I look forward to receiving your response by June 1,

Sincerely,

Ira J. Dembrow

Jeffrey C. Schwartz, Esq. Law Offices of Allen L. Rothenberg 9th Floor 1201 Chestnut Street Philadelphia, Pennsylvania 19107

[Enclosures]

1989.

FEDERAL EXPRESS

cc: Vicki Komarnicki, Esq. (w/encls.) [FEDERAL EXPRESS]
Lynn Rosner, Esq. (w/encls.) [FEDERAL EXPRESS]

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bcc: Howard G. Sloane, Esq.
Laurence A. Silverman, Esq.
Kevin Finnegan, Esq.
Eric S. Sarner, Esq.
Michael Sullivan
(all w/encls.)

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